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Commercial Fertilizers Commercial Feeds and Agricultural Liming Materials

STATE INSPECTION SERVICE

UNIVERSITY OF MARYLAND

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GENERAL INTRODUCTION

The Inspection and Regulatory Service of Maryland is charged with the enforcement of the Fertilizer, Feed, and Lime laws. Most States have enacted such legislation, and while they differ somewhat among themselves they are, in the main, quite similar. The Maryland laws require that all fertilizers, feeds, and limes be registered with the Inspection Service before they are offered for sale in the State. These statutes further require that the guaranteed analysis must be shown on a fertilizer and lime sack, and, in addition to this information, a list of ingredients from which the product is made, must be included on the feed package. The duties of the Inspection Service may be briefly summarized as consisting of the registration of these products, the collection of samples, the laboratory examination of samples collected, the publication of results obtained, and the prosecution of violators of the law.

The first portion of this publication contains a list and description of all brands of fertilizers registered prior to January 22, and intended for 1940 delivery in Maryland. This enables the buyer to intelligently purchase the most suitable grades of plant food, which will best meet the needs of his particular type of soil.

This publication also includes the analysis of official samples of fertilizers drawn in a fair and impartial manner, enabling the public as well as the State Department to determine how well each manufacturer conforms to his guarantees.

From July 1, 1939 to January 1, 1940, 873 samples of feeds and feeding materials were collected and analyzed in the State laboratories. Considerable microscopic work was necessary on many samples in ascertaining whether adulterants had been used.

The analytical lime results which appear in this bulletin represent officially drawn samples secured at plants, warehouses, or in transit during the Fall season.

In addition to the analysis of official samples included in this report, 249 samples drawn and forwarded to this Department by purchasers have been examined and reports transmitted to parties particularly interested. Since a representative sample is as essential as an accurate analysis in judging the quality of a product, this Organization can only vouch for the accuracy of the results obtained on the material submitted.

ASSAYS FOR CAROTENE IN ALFALFA MEALS

By Department of Poultry Husbandry

Experiments which have been conducted recently in the Department of Poultry Husbandry of the University of Maryland indicate that special attention should be given to meeting the vitamin A requirements of poultry, especially chicks. A considerable number of chicks sent in to the Livestock Sanitary Service Laboratory for examination have been found to be seriously depleted of their vitamin A stores. Yellow corn is of value in meeting the vitamin A requirement, but cannot be depended upon to supply enough. The feedstuffs capable of supplying vitamin A in large quantities are cod liver oil, which contains vitamin A as such, and alfalfa meal, which contains carotene, a yellow pigment which animals can convert into vitamin A. The vitamin A of cod liver oil, under some conditions, is destroyed rather quickly after being mixed in a feed. In general the carotene of alfalfa meal is more stable, although it too may be destroyed under some conditions. This being the case, the desirability of alfalfa meals and alfalfa leaf meals with high carotene content is apparent.

Cod liver oils ordinarily carry a guarantee of vitamin A potency on the label, but the same is not true of alfalfa meals. The Poultry Department, in buying feed for experimental use, has made persistent efforts to buy only the highest quality alfalfa leaf meal; but these efforts appear to have been uniformly unsuccessful. Meals of specified fiber and protein content, and of good color, have been bought; but their carotene content has ranged from 15 to 25 micrograms per gram (15 to 25 parts per million). In the case of some of these meals, it appears doubtful whether a sufficiently large amount could be fed to growing chicks to supply the optimum level of carotene. An alfalfa leaf meal used in poultry feeds should contain at least 50 micrograms of carotene per gram. One experiment station is known to demand meals containing 90 micrograms per gram, and the best meals contain more than 250 micrograms per gram.

In view of these enormous variations it seems desirable, and in fact essential, that the various brands of alfalfa meal and alfalfa leaf meal sold in Maryland should be regularly subjected to carotene determinations, just as they are now analysed for protein, fat, and fiber. The State Inspection and Regulatory Service is considering undertaking this work, and the results should prove of great value both to feeders and feed mixers, since the real value of different meals will be revealed, and guesses based on color and fiber content will be unnecessary.

FERTILIZER REGISTRATIONS

The following pages contain a detailed list of the different brands of fertilizers registered for 1940 sales, and the declared composition of each.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The American Agricultural Chemical Co., Baltimore, Md.										
AA Slingluff's 10% Top Dresser–Sulphate, 10–5–2	9.00	1.00	5.00	.....	.....	.....	.....	.....	2.00	.....
AA Tobacco Plant Bed Sulphate Fertilizer 8–5–2	7.20	.80	5.00	.....	.....	.....	.....	.....	2.00	.....
AA Tobacco Bed Sulphate Fertilizer 6–6–8	5.40	.60	6.00	.....	.....	.....	.....	.....	8.00	.....
Agrico for Tobacco-Sulphate 5–8–12	4.00	1.00	8.00	.....	.....	.....	.....	.....	12.00	.....
Agrico for Plant Beds-Sulphate 5–8–3	4.50	.50	8.00	.....	.....	.....	.....	.....	3.00	.....
AA Prince George Tobacco Fertilizer-Sulphate 4–8–12	3.20	.80	8.00	.....	.....	.....	.....	.....	12.00	.....
Agrico for Tobacco-Sulphate 4–8–12	3.20	.80	8.00	.....	.....	.....	.....	.....	12.00	.....
AA Red Leaf Tobacco Fertilizer-Sulphate 4–8–10	3.20	.80	8.00	.....	.....	.....	.....	.....	10.00	.....
AA Golden Leaf Tobacco Fertilizer-Sulphate 4–8–7	3.20	.80	8.00	.....	.....	.....	.....	.....	7.00	.....
Agrico for Tobacco-Sulphate 3–8–15	2.25	.75	8.00	.....	.....	.....	.....	.....	15.00	.....
AA Calvert Tobacco Fertilizer-Sulphate 3–8–15	2.25	.75	8.00	.....	.....	.....	.....	.....	15.00	.....
AA Silk Leaf Tobacco Fertilizer-Sulphate 2–8–10	1.50	.50	8.00	.....	.....	.....	.....	.....	10.00	.....
Agrico Country Club Fertilizer 8–6–2	4.00	4.00	3.60	.....	.....	2.40*	2.00	.....	.....	.....
Agrico Country Club Fertilizer 8–6–4	7.20	.80	6.00	.....	.....	.....	4.00	.....	.....	.....
Agrico for Top Dressing 7–7–7	6.30	.70	7.00	.....	.....	.....	7.00	.....	.....	.....
Agrico for Lawns, Trees and Shrubs 7–7–5	5.60	1.40	7.00	.....	.....	.....	5.00	.....	.....	.....
Agrico for Potatoes-Tidewater 6–8–6	3.60	2.40	8.00	.....	.....	.....	6.00	.....	.....	.....
AA Economizer Trucker 6–8–6	3.60	2.40	8.00	.....	.....	.....	6.00	.....	.....	.....
Agrico for Potatoes-Tidewater 6–6–5	3.60	2.40	6.00	.....	.....	.....	5.00	.....	.....	.....
Detrick's Gold Basis Fertilizer 6–6–5	4.50	1.50	6.00	.....	.....	.....	5.00	.....	.....	.....
Agrico for Truck 5–10–5	4.00	1.00	10.00	.....	.....	.....	5.00	.....	.....	.....
AA Red Seal Fertilizer 5–10–5	4.00	1.00	10.00	.....	.....	.....	5.00	.....	.....	.....
Agrico for Beans 5–10–5	4.00	1.00	10.00	.....	.....	.....	5.00	.....	.....	.....
Agrico for Melons 5–8–12	4.00	1.00	8.00	.....	.....	.....	12.00	.....	.....	.....
Agrico for Gardens 4–10–4	2.80	1.20	10.00	.....	.....	.....	4.00	.....	.....	.....
Agrico for Potatoes 4–8–8	3.20	.80	8.00	.....	.....	.....	8.00	.....	.....	.....
AA Gladiator Fertilizer 4–8–8	3.20	.80	8.00	.....	.....	.....	8.00	.....	.....	.....
AA Early Trucker Fertilizer 4–8–5	3.20	.80	8.00	.....	.....	.....	5.00	.....	.....	.....
AA Climax Fertilizer 3–12–6	2.25	.75	12.00	.....	.....	.....	6.00	.....	.....	.....
Agrico for Corn 3–12–6	2.25	.75	12.00	.....	.....	.....	6.00	.....	.....	.....
Agrico for Tomatoes 3–12–6	2.25	.75	12.00	.....	.....	.....	6.00	.....	.....	.....
Agrico for Sweet Potatoes 3–8–15	2.25	.75	8.00	.....	.....	.....	15.00	.....	.....	.....
AA Royal Sweet Potato Fertilizer 3–8–15	2.25	.75	8.00	.....	.....	.....	15.00	.....	.....	.....

Agrico for Sweet Potatoes 3–8–15	2.25	.75	8.00				15.00			
AA Royal Sweet Potato Fertilizer 3–8–15	2.25	.75	8.00				15.00			
AA Sweepstakes Fertilizer 3- 8–10	2.25	.75	8.00				10.00			
Agrico for Sweet Potatoes 3–8–10	2.25	.75	8.00				10.00			
Agrico for Grain 2–16–6	1.50	.50	12.80			3.20*	6.00			
Agrico for Grain 2–12–6	1.50	.50	12.00				6.00			
Agrico for Wheat 2–12–6	1.50	.50	12.00				6.00			
AA Horse Shoe Fertilizer 2–12–6	1.50	.50	12.00				6.00			
AA Farmers Friend Fertilizer 2–12–4	1.50	.50	12.00				4.00			
AA Red Dog Fertilizer 2–9–5	1.50	.50	9.00				5.00			
AA Old Hickory Fertilizer 2–8–10	1.50	.50	8.00				10.00			
Sulphate of Ammonia 20.50–0–0	20.50									
Pure Raw Bone 3.70-T.P.A. 20–0		3.70				20.00‡				
Fine Ground Bone 2.47-T.P.A. 23–0		2.47				23.00‡				
Pulverized Sheep & Goat manure 1.25-T.P.A. 1–2		1.25								
AA Chieftain Mixture 0–14–6			14.00				6.00			
AA XXX Mixture 0–12–12			12.00				12.00			
Agrico 0–12–12			12.00				12.00			
AA Victory Mixture 0–12–5			12.00				5.00			
AA 20% Superphosphate 0–20–0			16.00			4.00**				
AA 16% Superphosphate 0–16–0			16.00							
AA Basic Lime Phosphate 0–16–0			16.00							
Muriate of Potash 0–0–50							50.00			
Kainit 0–0–20								20.00		
American Cyanamid Co., New York, N. Y.										
21% "Aero" Cyanamid Granular 21–0–0		21.00								
"Ammo-Phos" 11–48–0	11.00					48.00†				
Armour Fertilizer Works, Baltimore, Md.										
Armour's Special Top Dresser 10–5–2	9.00	1.00	5.00						2.00	
Armour's Plant Bed Fertilizer 6–6–8	4.80	1.20	6.00						8.00	
Armour's Special Tobacco Grower 4–8–12	2.40	1.60	8.00						12.00	
Armour's Special Tobacco Grower 2–12–8	1.20	.80	12.00						8.00	
Armour's Special Tobacco Grower 2–8–10	1.20	.80	8.00						10.00	
Armour's Special Top Dresser 10–6–4	9.00	1.00	6.00				4.00			
Armour's Special Top Dresser 8–5–2	7.20	.80	5.00				2.00			
Armour's Big Crop Fertilizer 6–8–6	3.60	2.40	8.00				6.00			
Armour's Big Crop Fertilizer 6–6–5	3.60	2.40	6.00				5.00			
Armour's Big Crop Fertilizer 5–10–5	3.75	1.25	10.00				5.00			
Armour's Big Crop Fertilizer 5–8–12	3.75	1.25	8.00				12.00			
Armour's Big Crop Fertilizer 4–16–4	3.60	.40	16.00				4.00			
Armour's Big Crop Fertilizer 4–12–4	3.00	1.00	12.00				4.00			

* Ammonium Phosphate. ‡ Total Phosphoric Acid. ** Triple Super. † Orthophosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Source	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Armour Fertilizer Works, Baltimore, Md. (Cont.)										
Armour's Big Crop Fertilizer 4–8–8	2.80	1.20	8.00				8.00			
Armour's Big Crop Fertilizer 3–8–15	2.10	.90	8.00				15.00			
Armour's Big Crop Fertilizer 3–12–6	2.10	.90	12.00				6.00			
Armour's Super Fish Mixture 3–12–6	1.80	1.20	12.00				6.00			
Armour's Big Crop Fertilizer 2–12–6	1.40	.60	12.00				6.00			
Armour's Big Crop Fertilizer 2–9–5	1.40	.60	9.00				5.00			
Armour's Big Crop Fertilizer 2–8–10	1.40	.60	8.00				10.00			
Armour's Sulphate of Ammonia 20.50–0–0	20.50									
Armour's Ground Tankage 6–0–0		6.00								
Armour's Raw Bone Meal 3.70-T.P.A. 20.50–0		3.70				20.50*				
Armour's Bone Meal 2.47-T.P.A. 23–0		2.47				23.00*				
Armour's Sheep & Goat Manure 1.25-T.P.A. 1–2		1.25								
Armour's Big Crop Fertilizer 0–14–6			14.00				6.00			
Armour's Big Crop Fertilizer 0–12–12			12.00				12.00			
Armour's Big Crop Superphosphate 0–20–0			20.00							
Armour's Big Crop Superphosphate 0–16–0			16.00							
Armour's Big Crop Lime Phosphate 0–16–0			16.00							
Armour's Muriate of Potash 0–0–50							50.00			
Armour's Kainit 0–0–20								20.00		
The Barrett Co., New York, N. Y.										
Arcadian Sulphate of Ammonia 20.56–0–0	20.56									
Sulphate of Ammonia 20.56–0–0	20.56									
Arcadian the American Nitrate of Soda 16–0–0	16.00									
F. W, Bolgiano & Co., Inc., Washington, D. C.										
Gold Tag 8–5–2	7.20	.80	5.00						2.00	
Gold Tag 4–8–12	3.00	1.00	8.00						12.00	
Gold Tag 2–12–4	1.50	.50	12.00						4.00	
Gold Tag 6–6–5	3.60	2.40	6.00				5.00			
Gold Tag 4–12–4	3.00	1.00	12.00				4.00			
Gold Tag 4–8–5	3.00	1.00	8.00				5.00			
Gold Tag 2–12–6	1.50	.50	12.00				6.00			

Gold Tag 4–8–5	3.00	1.00	8.00				5.00			
Gold Tag 2–12–6	1.50	.50	12.00				6.00			
Gold Tag 2–9–5	1.50	.50	9.00				5.00			
Gold Tag 2–8–10	1.50	.50	8.00				10.00			
Gold Tag Sulphate of Ammonia 20.–0–0	20.00									
Gold Tag Raw Bone Meal 3.70-T.P.A. 20.50–0		3.70				20.50*				
Gold Tag Steamed Bone Meal 2.47-T.P.A. 23–0		2.47				23.00*				
Gold Tag Superphosphate 0–16–0			16.00							
Herbert Bryant Inc., Alexandria, Va.										
10–6–4	6.75	3.25	6.00				4.00			
6–6–5	4.80	1.20	6.00				3.00			2.00
Colonial Fertilizer for Lawns 5–10–5	3.00	2.00	10.00				5.00			
5–8–5	3.75	1.25	8.00				2.50	2.50		
Pure Fish Brand Compound 3–10–5	.30	2.70	10.00				5.00			
3–8–5	1.80	1.20	8.00				2.50	2.50		
2–12–6	1.00	1.00	12.00				3.00			3.00
Chesapeake Fish Brand 2–12–6	.20	1.80	12.00				3.00			3.00
2–12–4	1.00	1.00	12.00				2.00			2.00
2–9–5	1.00	1.00	9.00				2.00			3.00
2–9–3	1.00	1.00	9.00							3.00
2–9–2	1.00	1.00	9.00					2.00		
2–8–10	1.00	1.00	8.00				10.00			
2–8–5	1.00	1.00	8.00				2.00			3.00
Sulphate of Ammonia 20.56–0–0	20.56									
Pure Animal Bone Meal 3.70 T.P.A. 21.50–0		3.70				21.50*				
Steamed Bone Meal 2.47-T.P.A. 22.88–0		2.47				22.88*				
Pulverized Sheep Manure 1.85–T.P.A. 1–2		1.85								
0–12–5			12.00				3.00			2.00
High Grade Superphosphate 0–20–0			20.00							
High Grade Superphosphate 0–16–0			16.00							
Phosphate & Tobacco 0–16–0			16.00							
Chilean Nitrate Sales Corp., New York, N. Y.										
Champion Brand Chilean Nitrate of Soda 16–0–0	16.00									
Old Style Chilean Nitrate of Soda 16–0–0	16.00									
Chilean Potash Nitrate 15–0–14	15.00									
Cooperative Fertilizer Service, Richmond, Va.										
Cooperative Southern States Fertilizer Service Open Formula Fruit Tree Spec. 10–6–4 Quality Fertilizer	6.00	4.00	6.00				4.00			
Cooperative Fertilizer Service Quality Open Formula Truck 6–6–5 Fertilizer	3.60	2.40	6.00				5.00			

* Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Cooperative Fertilizer Service, Richmond, Va. (Cont.)										
Cooperative Fertilizer Service Quality Open Formula 4–16–4 Fertilizer	2.40	1.60	16.00				4.00			
Cooperative Fertilizer Service Quality Open Formula 4–12–4 Fertilizer	2.40	1.60	12.00				4.00			
Cooperative Fertilizer Service Quality Open Formula 4–8–8 Fertilizer	2.40	1.60	8.00				8.00			
Cooperative Fertilizer Service Quality Big Yield 4–8–8 Fert.	3.00	1.00	8.00				8.00			
Cooperative Fertilizer Service Quality Open Formula 4–8–7 Fertilizer	2.40	1.60	8.00				7.00			
Cooperative Fertilizer Service Quality Big Yield 4–8–7 Fert.	3.00	1.00	8.00				7.00			
Cooperative Fertilizer Service Quality Open Formula 4–8–5 Fertilizer	2.40	1.60	8.00				5.00			
Cooperative Fertilizer Service Quality Open Formula 3–12–6 Fertilizer	1.80	1.20	12.00				6.00			
Cooperative Fertilizer Service Quality Big Yield 3–12–6 Fert.	2.25	.75	12.00				6.00			
Cooperative Fertilizer Service Quality Open Formula 2–12–6 Fertilizer	1.20	.80	12.00				6.00			
Cooperative Fertilizer Service Quality Big Yield 2–12–6 Fert.	1.50	.50	12.00				6.00			
Cooperative Fertilizer Service Quality Open Formula 2–12–4 Fertilizer	1.20	.80	12.00				4.00			
Cooperative Fertilizer Service Quality Big Yield 2–9–5 Fert.	1.50	.50	9.00				5.00			
Cooperative Fertilizer Service Quality Open Formula 2–9–5 Fertilizer	1.20	.80	9.00				5.00			
Cooperative Fertilizer Service Quality Open Formula 2–8–10 Fertilizer	1.20	.80	8.00				10.00			
Cooperative Fertilizer Service Quality Open Formula 0–14–6 Fertilizer			14.00				6.00			
Cooperative Fertilizer Service Quality Open Formula 0–12–12 Fertilizer			12.00				12.00			
Cooperative Fertilizer Service Quality Open Formula 0–12–5 Fertilizer			12.00				5.00			
Cooperative Fertilizer Service Quality Big Yield 0–12–5 Fert.			12.00				5.00			
Cooperative Fertilizer Service Quality Open Formula 0–10–10 Fertilizer			10.00				10.00			
Cooperative Fertilizer Service Quality Superphosphate 0–20–0			20.00							

Fertilizer										
Cooperative Fertilizer Service Quality Big Yield 0–12–5 Fert.			12.00				5.00			
Cooperative Fertilizer Service Quality Open Formula 0–10–10 Fertilizer			10.00				10.00			
Cooperative Fertilizer Service Quality Superphosphate 0–20–0			20.00							
Cooperative Southern States Fertilizer Service Quality Granular Superphosphate 0–20–0			20.00							
Cooperative Fertilizer Service Quality Big Yield Superphosphate 0-20-0			20.00							
Cooperative Fertilizer Service Quality Superphosphate 0–16–0			16.00							
Cooperative Fertilizer Service Quality Big Yield Superphosphate 0–16–0			16.00							
Cooperative Fertilizer Service Muriate of Potash 0–0–50							50.00			
The Davison Chemical Corp., Baltimore, Md.										
Davco Granulated Tobacco Fertilizer 4–8–12	3.85	.15	8.00						12.00	
Davco Granulated Fertilizer 6–8–6	5.78	.22	8.00				6.00			
Davco Granulated Fertilizer 5–8–12	4.82	.18	8.00				12.00			
Davco Granulated Tomato Food 4–12–6	3.86	.14	12.00				6.00			
Davco Granulated Fertilizer 4–12–4	3.86	.14	12.00				4.00			
Davco Granulated Fertilizer 4–8–8	3.86	.14	8.00				8.00			
Davco Granulated Fertilizer 3–12–6	2.90	.10	12.00				6.00			
Davco Granulated Fertilizer 2–12–6	1.20	.80	12.00				6.00			
Davco Granulated Fertilizer 0–14–6			14.00				6.00			
Davco Granulated Superphosphate 0–20–0			20.00							
Devilbiss Brothers, New Windsor, Md.										
Butcher House 2–9–5	1.60	.40	9.00				2.00			3.00
Super-Phosphate 0–18–0			18.00							
E. I. duPont deNemours & Co. (Inc.) Wilmington, Del.										
"Uramon" 42–0–0		42.00								
Eastern States Farmers' Exchange, West Springfield, Mass.										
Eastern States Agricultural Urea 42–0–0		42.00								
Eastern States Calnitro 20.50–0–0	20.50									
Eastern States 10–10–10	10.00		10.00				10.00			
Eastern States 10–5–5	10.00		5.00				5.00			
Eastern States 8–24–8	5.50	2.50	24.00				8.00			
Eastern States 8–16–16	8.00		12.00			4.00*	16.00			
Eastern States 8–16–8	8.00		16.00				8.00			
Eastern States 5–15–5	3.50	1.50	15.00				5.00			
Eastern States 5–10–15	5.00		10.00				15.00			
Eastern States 5–10–10	5.00		10.00				10.00			
Eastern States 4–24–12	2.20	1.80	24.00				12.00			
Eastern States 4–16–20	4.00		16.00				20.00			

* Ammonium Phosphate

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Eastern States Farmers' Exchange, West Springfield, Mass. (Cont.)										
Eastern States 4–16–8	2.20	1.80	16.00	.....	.....	.....	8.00	.....	.....	.....
Eastern States 0–24–12	.....	.....	24.00	.....	.....	.....	12.00	.....	.....	.....
Eastern States 0–20–20	.....	.....	20.00	.....	.....	.....	20.00	.....	.....	.....
Eastern States Superphosphate 0–40–0	.....	.....	40.00	.....	.....	.....	.....	.....	.....	.....
Eastern States Superphosphate 0–20–0	.....	.....	20.00	.....	.....	.....	.....	.....	.....	.....
Eastern States Muriate of Potash 0–0–60	.....	.....	.....	.....	.....	.....	60.00	.....	.....	.....
Edelen Brothers, Baltimore, Md.										
Edelen's 10% Tobacco Bed 10–5–2	8.50	1.50	5.00	.....	.....	.....	.....	.....	2.00	.....
The Espoma Company, Millville, N. J.										
Espoma 3–2–1	.....	3.00	.....	1.30†	.10	.60	.....	.....	.....	1.00†
Egypt Poultry Farm, Owings Mills, Md.										
Egyptian Grower 2.68-T.P.A. 1.60–1.28	.....	2.68	.....	.....	.....	.....	.....	.....	.....	.....
Farmers' Cooperative Association, Inc., Frederick, Md.										
Spring Special 4–8–8	3.20	.80	8.00	.....	.....	.....	8.00	.....	.....	.....
Sure Crop 2–12–6	1.60	.40	12.00	.....	.....	.....	6.00	.....	.....	.....
Wheat and Grass Special 2–9–5	1.60	.40	9.00	.....	.....	.....	5.00	.....	.....	.....
Rock & Potash Special 0–12–5	.....	.....	12.00	.....	.....	.....	5.00	.....	.....	.....
Superphosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....
Farmers & Planters Co., Salisbury, Md.										
F & P Brand 4–8–8 Tomato Special	3.20	.80	8.00	.....	.....	.....	.....	.....	8.00	.....
F & P Brand 6–6–5 Special High Grade	4.80	1.20	6.00	.....	.....	.....	5.00	.....	.....	.....
F & P Brand 5–8–12 Early Truck	4.00	1.00	8.00	.....	.....	.....	12.00	.....	.....	.....
F & P Brand 3–8–15 XX Potash Mixture	2.40	.60	8.00	.....	.....	.....	15.00	.....	.....	.....
F & P Brand 2–12–6 Corn Grower	1.60	.40	12.00	.....	.....	.....	6.00	.....	.....	.....
F & P Brand 2–8–10 Sweet Potato Special	1.60	.40	8.00	.....	.....	.....	10.00	.....	.....	.....
Ford Motor Co., Dearborn, Mich.										
Ford Ammonium Sulphate 20.80–0–0	20.80	.....	.....	.....	.....	.....	.....	.....	.....	.....

F & P Brand 2–12–6 Corn Grower	1.60	.40	8.00							
F & P Brand 2–8–10 Sweet Potato Special										
Ford Motor Co., Dearborn, Mich.										
Ford Ammonium Sulphate 20.80–0–0	20.80									
Hansen Inoculator Co., Inc., Urbana, Ill.										
Hansen Humus Inoculator										
A. H. Hoffman, Inc., Landisville, Pa.										
Hoffman's Plant Food 5–8–6	3.50	1.50	8.00						6.00	
Hoffman's Bone Meal 3.70-T.P.A. 20–0		3.70				20.00*				
Hoffman's Cow Manure (Dehydrated) 2-T.P.A. 2–2										
Hoffman's Sheep Manure (Kiln-Dried) 1.85-T.P.A. 1–2										
Huston, Culver & Co., Inc., Seaford, Del.										
Huston, Culver & Co's 6% 6–6–5	5.00	1.00	6.00				5.00			
Truck Guano 5–8–12	4.00	1.00	8.00				12.00			
Culver's Special 4–8–10	3.00	1.00	8.00				10.00			
Huston, Culver & Co's Special 4–8–8	3.00	1.00	8.00				8.00			
Trucker 4–8–5	3.00	1.00	8.00				5.00			
Royal 3–8–15	2.00	1.00	8.00				15.00			
Sweet Potato Mixture 3–8–10	2.00	1.00	8.00				10.00			
Crop Grower 2–12–6	1.50	.50	12.00				6.00			
Sussex Special 2–8–10	1.50	.50	8.00				10.00			
Huston's Special 1–10–5	1.00		10.00				5.00			
Rock & Kainit 1–8–8	1.00		8.00					8.00		
Double Potash Mixture 0–12–5			12.00				2.50	2.50		
Wheat Special 0–10–10			10.00				10.00			
Super Phosphate 0–16–0			16.00							
Hydroponic Chemical Co., Inc., New York, N. Y.										
Hyponex 7–6–19	7.00		6.00							19.00‡
Elmer L. Marvel, Dagsboro, Del.										
Marvel Fertilizer 6–6–5	4.50	1.50	6.00				5.00			
The Maryland Milling & Supply Co., Sykesville, Md.										
M. M. & S. Co. Potato Guano 6–6–5	5.50	.50	6.00				5.00			
Forthman's Special 5–10–5	4.75	.25	10.00				5.00			
M. M. & S. Co. Tomato-Corn 4–8–8	3.75	.25	8.00					8.00		
Gambrill's Mixture 2–12–6	1.75	.25	12.00				6.00			
Newman's Favorite 2–9–5	1.50	.50	9.00					5.00		
Special Mixture 1–12–6	.50	.50	12.00				6.00			
Our Special Wheat & Grass 1–10–5	.75	.25	10.00					5.00		

* Total Phosphoric Acid. ‡ From Potassium Nitrate. † Manure (Fowl).

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The Maryland Milling & Supply Co., Sykesville, Md. (Cont.)										
Phosphate-Potash 0–12–5			12.00					5.00		
High Grade Superphosphate 0–16–0			16.00							
Miller Chemical & Fertilizer Corp., Baltimore, Md.										
Rich Yield 6–6–5	5.10	.90	6.00				5.00			
Rich Yield 5–10–5	4.00	1.00	10.00				5.00			
Potato & Vegetable 4–8–8	3.00	1.00	8.00				8.00			
Rich Yield 3–12–6	2.25	.75	12.00				6.00			
Rich Yield 3–8–15	2.33	.67	8.00				15.00			
Rich Yield 2–12–6	1.50	.50	12.00				6.00			
Rich Yield 2–8–10	1.20	.80	8.00				10.00			
Rich Yield 0–14–6			14.00				6.00			
Rich Yield Superphosphate 0–20–0			20.00							
The Nitragin Co., Inc., Milwaukee, Wis.										
Nitragin										
Plantabbs Co., Baltimore, Md.										
Fulton's Plantabbs 11–15–20	11.00					15.00‡				20.00†
Potash Company of America, Baltimore, Md.										
P. C. A. Red Muriate 0–0–50							50.00			
Warner W. Price Co., Inc., Smyrna, Del.										
4–8–8	3.25	.75	8.00				8.00			
3–10–8	2.00	1.00	9.56		.44		8.00			
2–12–6	1.25	.75	11.80	.20			6.00			
0–12–5			12.00				3.00			2.00
0–10–10			10.00				10.00			
Superphosphate 0–20–0			20.00							
The Pulverized Manure Co., Chicago, Ill.										
Wizard Brand Pulverized Sheep Manure 2-T.P.A.1–2		2.00								
Wizard Brand Cow Manure 2-T.P.A. 1–1		2.00								

The Pulverized Manure Co., Chicago, Ill.										
Wizard Brand Pulverized Sheep Manure 2-T.P.A.1–2		2.00								
Wizard Brand Cow Manure 2-T.P.A. 1–1		2.00								
Read Drug & Chemical Co., Baltimore, Md.										
Plantgro 4–12–4	4.00		12.00				4.00			
Raw Bone Meal 3.70-T.P.A. 21.50–0		3.70				21.50*				
F. S. Royster Guano Co., Baltimore, Md.										
Royster Tobacco Bed Fertilizer 8–5–2	6.40	1.60	5.00						2.00	
Royster Invincible Tobacco Fertilizer 4–8–12	2.00	2.00	8.00						12.00	
Royster Maryland Pride Tobacco Fertilizer 2–12–8	1.00	1.00	12.00						8.00	
Royster Gold Dust Tobacco Fertilizer 2–8–10	1.00	1.00	8.00						10.00	
Royster Fertilizer 10–6–4	9.50	.50	6.00				4.00			
Royster Arrow Truck Guano 6–8–6	3.60	2.40	8.00				6.00			
Royster Truck Guano 6–6–5	3.60	2.40	6.00				5.00			
Royster Dependable Truck Guano 5–10–5	4.00	1.00	10.00				5.00			
Royster Fertilizer 5–8–12	4.00	1.00	8.00				12.00			
Royster Trojan Guano 4–12–4	3.20	.80	12.00				4.00			
Royster Prize Guano 4–8–10	3.20	.80	8.00				10.00			
Royster Trusty Guano 4–8–8	3.20	.80	8.00				8.00			
Royster Quality Trucker 4–8–7	3.20	.80	8.00				7.00			
Royster Special Trucker 4–8–5	3.20	.80	8.00				5.00			
Royster Fertilizer 4–4–20	3.20	.80	4.00				20.00			
Royster Curlew Guano 3–12–6	2.40	.60	12.00				6.00			
Royster Fertilizer 3–8–15	2.40	.60	8.00				15.00			
Royster Favorite Guano 3–8–10	2.40	.60	8.00				10.00			
Royster Master Grain Guano 2–12–6	1.60	.40	12.00				6.00			
Royster Gem Grain Guano 2–12–4	1.60	.40	12.00				4.00			
Royster Big Bully Guano 2–9–5	1.60	.40	9.00				5.00			
Royster Banner Guano 2–8–10	1.60	.40	8.00				10.00			
Royster Sulphate of Ammonia 20.56–0–0	20.56									
Royster Raw Bone Meal 3.70-T.P.A. 20.60–0		3.70				20.60*				
Royster Sheep Manure 1.23-T.P.A. 1–2										
Royster Phosphate & Potash 0–14–6			14.00				6.00			
Royster Phosphate & Potash 0–12–12			12.00				12.00			
Royster Phosphate & Potash 0–12–5			12.00				5.00			
Royster Phosphate & Potash 0–10–10			10.00				10.00			
Royster Superphosphate 0–20–0			20.00							
Royster Superphosphate 0–16–0			16.00							
Royster Lime Phosphate 0–16–0			16.00							
Royster Muriate of Potash 0–0–50							50.00			
Royster Kainit 0–0–20								20.00		

‡ From Ammonium Phosphate. † From Potassium Nitrate. * Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Wm. G. Scarlett & Co., Baltimore, Md.										
Scarlett's Greenway Brand Bone Meal 2.50-T.P.A. 24–0	.....	2.50	.....	.....	.....	24.00*	.....	.....	.....	.....
Greenway Brand Domestic Sheep Manure 1.85-T.P.A. 1–1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.										
Esskay Plant Food 5–9–4	.....	5.00	.....	9.00	.....	.....	4.00	.....	.....	.....
Esskay Raw Bone Meal 3.50-T.P.A. 25-0	.....	3.50	.....	.....	.....	25.00*	.....	.....	.....	.....
O. M. Scott & Sons Co., Marysville, Ohio										
Scotts Turf Builder 10–6–4	7.00	3.00	6.00	.....	.....	.....	4.00	.....	.....	.....
R. H. Slingluff's Fertilizer Co., Baltimore, Md.										
Slingluff's 10% Tobacco Bed 10–5–2	8.50	1.50	5.00	.....	.....	.....	.....	.....	2.00	.....
Slingluff's Tobacco Bed 6–6–8	5.10	.90	6.00	.....	.....	.....	.....	.....	8.00	.....
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.										
Standard 6–6–5	4.80	1.20	6.00	.....	.....	.....	5.00	.....	.....	.....
Standard 5–10–5	4.00	1.00	10.00	.....	.....	.....	5.00	.....	.....	.....
Standard 5–8–12	4.00	1.00	8.00	.....	.....	.....	12.00	.....	.....	.....
Standard 4–16–4	3.20	.80	16.00	.....	.....	.....	4.00	.....	.....	.....
Standard 4–8–8	3.20	.80	8.00	.....	.....	.....	8.00	.....	.....	.....
Standard 4–8–5	3.20	.80	8.00	.....	.....	.....	5.00	.....	.....	.....
Standard 3–12–6	2.40	.60	12.00	.....	.....	.....	6.00	.....	.....	.....
Standard 3–8–15	2.40	.60	8.00	.....	.....	.....	15.00	.....	.....	.....
Standard 2–12–6	1.60	.40	12.00	.....	.....	.....	6.00	.....	.....	.....
Standard 2–8–10	1.60	.40	8.00	.....	.....	.....	10.00	.....	.....	.....
Sulphate of Ammonia 20.56–0–0	20.56	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nitrate of Soda 16–0–0	16.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard 0–14–6	.....	.....	14.00	.....	.....	.....	6.00	.....	.....	.....
Standard Superphosphate 0–20–0	.....	.....	20.00	.....	.....	.....	.....	.....	.....	.....
Standard Superphosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....
Summers Fertilizer Co., Inc., Baltimore, Md.										
4–8–8	3.75	.25	8.00	.....	.....	.....	4.00	.....	.....	4.00
2–12–6	2.75	.25	12.00	.....	.....	.....	8.00	.....	.....	8.00

Standard Superphosphate 0–16–0			16.00							
Summers Fertilizer Co., Inc., Baltimore, Md.										
4–8–8	3.75	.25	8.00				4.00			4.00
3–12–6	2.75	.25	12.00				3.00			3.00
2–12–6	1.75	.25	12.00				3.00			3.00
2–9–5	1.75	.25	9.00				2.50			2.50
Superphosphate 0–20			20.00							
Swift & Co., Fertilizer Works, Baltimore, Md.										
Swift's Red Steer Tobacco Grower 10–5–2	8.00	2.00	5.00						2.00	
Swift's Red Steer Tobacco Grower 8–5–2	6.40	1.60	5.00						2.00	
Swift's Red Steer Tobacco Grower 6–6–8	4.50	1.50	6.00						8.00	
Swift's Red Steer Tobacco Grower 4–8–12	3.00	1.00	6.96			1.04‡	12.00			
Swift's Red Steer Tobacco Grower 2–8–10	1.50	1.50	6.96			1.04‡			10.00	
Swift's Red Steer 6–8–6	5.10	.90	6.96			1.04‡	6.00			
Swift's Red Steer 6–6–5	4.50	1.50	6.00				5.00			
Swift's N/eL 6–6–5	4.50	1.50	6.00				5.00			
Swift's Red Steer 5–8–12	3.75	1.25	8.00				12.00			
Swift's N/eL 5–8–7	3.75	1.25	8.00				7.00			
Vigoro 4–12–4	4.00		12.00				4.00			
Swift's Red Steer 4–12–4	3.40	.60	10.97			1.03‡	4.00			
Swift's Red Steer 4–8–8	3.00	1.00	6.96			1.04‡	8.00			
Swift's N/eL 4–8–8	3.00	1.00	6.96			1.04‡	8.00			
Swift's Red Steer 3–12–6	2.40	.60	12.00				6.00			
Swift's Red Steer 2–12–6	1.50	.50	12.00				6.00			
Swift's Red Steer 2–9–5	1.50	.50	7.83			1.17‡	5.00			
Swift's Red Steer 2–8–10	1.50	.50	6.96			1.04‡	10.00			
Swift's Raw Bone Meal Fertilizer 3.70–T.P.A. 20–0		3.70				20.00*				
Bone Meal Fertilizer 2.47-T.P.A. 23–0		2.47				23.00*				
Swift's Sheep Manure 1.85-T.P.A. 1–1.75		1.85								
Swift's Red Steer 0–14–6			14.00				6.00			
Swift's Red Steer 0–12–12			12.00				12.00			
Swift's Red Steer Superphosphate 0–20–0			20.00							
Kainit 0–0–20								20.00		
Synthetic Nitrogen Products Corp., New York, N. Y.										
Nitrophoska 15–30–15	15.00					30.00†	15.00			
Tennessee Corp., Lockland, Ohio										
Loma 5–10–4	4.00	1.00	10.00				4.00			
Soil-Prep 4–2–2		4.00		2.00					2.00**	

* Total Phosphoric Acid. ‡ Ammonium Phos. † Diammonium Phosphate. ** Pulverized Tobacco Stems.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Thomas & Co., Gaithersburg, Md.										
Pea Mixture 5–10–5	4.00	1.00	10.00				5.00			
Sure Crop 2–12–6	1.80	.20	12.00				6.00			
Wheat and Grass Grower 2–9–5	1.80	.20	9.00				5.00			
Harvest Queen 1–10–5	.80	.20	10.00				1.00			4.00
Rock & Potash 0–12–5			12.00				5.00			
Superphosphate 0–16–0			16.00							
The Urbana Laboratories, Urbana, Ill.										
Urbana Culture										
Virginia-Carolina Chemical Corp., Baltimore, Md.										
V-C 6–6–8 Fertilizer (Sulphate)	3.60	2.40	6.00						7.50	.50†
V-C 4–8–12 Fertilizer (Sulphate)	3.00	1.00	8.00						11.50	.50†
V-C 4–8–10 Fertilizer (Sulphate)	3.00	1.00	8.00						9.50	.50†
V-C 4–8–7 Fertilizer (Sulphate)	3.00	1.00	8.00						6.50	.50†
V-C 2–8–10 Fertilizer (Sulphate)	1.50	.50	8.00						9.50	.50†
V-C 6–8–6 Fertilizer	3.00	3.00	8.00				5.50			.50†
V-C 6% Truck Fertilizer 6–6–5	3.60	2.40	6.00				4.50			.50†
V-C 5–10–5 Fertilizer	3.75	1.25	10.00				4.50			.50†
V-C 5–8–12 Fertilizer	3.75	1.25	8.00				11.50			.50†
V-C 4–8–10 Fertilizer	3.00	1.00	8.00				9.50			.50†
V-C 4–8–8 Fertilizer	3.00	1.00	8.00				7.50			.50†
V-C 3–12–6 Fertilizer	2.25	.75	12.00				5.50			.50†
V-C 2–12–6 Fertilizer	1.50	.50	12.00				4.00	.50†		1.50
V-C Fish & Potash Mixture 2–9–5	1.50	.50	9.00				4.00			1.00†
V-C 2–8–10 Fertilizer	1.50	.50	8.00				9.50			.50†
V-C 0–14–6 Fertilizer			14.00				5.50			.50†
V-C 0–12–12 Fertilizer			12.00				11.50			.50†
V-C Superphosphate 0–20–0			20.00							
V-C Superphosphate 0–16–0			16.00							
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.										
Bovung 2-T.P.A. 2–2										

Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.										
Bovung 2-T.P.A. 2–2										
The Worcester Fertilizer Co., Snow Hill, Md.										
Worcester's "King Twenty" 6–8–6	4.20	1.80	8.00				6.00			
Worcester's "Commander" 6–6–5	4.20	1.80	5.50		.50		5.00			
Worcester's "Gold Crown" 5–8–12	3.50	1.50	8.00				12.00			
Worcester's "Red Ripe" 4–8–10	2.80	1.20	7.70		.30		10.00			
Worcester's "Early Trucker" 4–8–8	2.80	1.20	7.75		.25		8.00			
Worcester's Correct Plant Food Mixture 3–8–10	2.10	.90	7.70		.30		10.00			
Worcester's Correct Plant Food Mixture 2–8–10	1.40	.60	8.00				10.00			
Superphosphate 0–16–0			16.00							

† Tobacco Stems.

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from July 1, 1939 to January 1, 1940, is given on pages 22 to 39, inclusive.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Acme Guano Co., Baltimore, Md.													
Acme 3–12–6	Reisterstown	3.00	3.00	2.40	2.37	.60	.63	.70	12.00	12.30	6.00	6.29	177 A
Acme 2–12–6	New Windsor	2.00	2.04	1.60	1.47	.40	.57	.80	12.00	12.20	6.00	6.28	106 A
Acme 2–12–6	Reisterstown	2.00	2.13	1.60	1.64	.40	.49	.90	12.00	12.50	6.00	6.13	161 A
Acme 2–9–5	New Windsor	2.00	2.42	1.60	1.83	.40	.59	1.10	9.00	9.10	5.00	5.52	167 A
Acme 2–9–5	Reisterstown	2.00	2.25	1.60	1.68	.40	.57	1.30	9.00	9.40	5.00	5.28	27 A
Acme 0–10–10	Vienna							.40	10.00	10.30	10.00	10.50	
The American Agricultural Chemical Co., Baltimore, Md.													
AA Red Seal Fertilizer 5–10–5	Royal Oak	5.00	4.70	4.00	3.24	1.00	1.46	.80	10.00	11.00	5.00	5.24	
AA Climax Fertilizer 3–12–6	Baltimore	3.00	2.88	2.25	2.34	.75	.54	1.40	12.00	11.20	6.00	6.21	133 A
Agrico for Grain 2–16–6	Baltimore	2.00	1.98	1.50	1.55	.50	.43	1.10	16.00	16.10	6.00	6.40	2 A
Agrico for Grain 2–16–6	Baltimore	2.00	2.02	1.50	1.47	.50	.55	.80	16.00	16.10	6.00	6.36	15 A
Agrico for Wheat 2–12–6	Baltimore	2.00	1.96	1.50	1.38	.50	.58	.50	12.00	12.00	6.00	6.24	6 B
Agrico for Wheat 2–12–6	Baltimore	2.00	1.97	1.50	1.55	.50	.42	.40	12.00	12.20	6.00	6.29	9 B
AA Horse Shoe Fertilizer 2–12–6	Baltimore	2.00	1.99	1.50	1.51	.50	.48	.40	12.00	12.40	6.00	6.29	92 A
AA Horse Shoe Fertilizer 2–12–6	Baltimore	2.00	1.97	1.50	1.54	.50	.43	.80	12.00	12.10	6.00	6.32	63 A
AA Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	1.94	1.50	1.37	.50	.57	.60	12.00	12.10	4.00	4.19	2 B
AA Red Dog Fertilizer 2–9–5	Baltimore	2.00	2.01	1.50	1.50	.50	.51	.70	9.00	9.10	5.00	5.31	42 A
AA Red Dog Fertilizer 2–9–5	Baltimore	2.00	1.88	1.50	1.31	.50	.57	.70	9.00	9.40	5.00	5.16	57 A
AA Old Hickory Fertilizer 2–8–10	Baltimore	2.00	1.99	1.50	1.49	.50	.50	.60	8.00	8.30	10.00	10.08	88 A
Pure Raw Bone 3.70–T.P.A. 20–0	Baltimore	3.70	3.68						*20.00	*21.20			
Fine Ground Bone 2.47–T.P.A. 23–0	Baltimore	2.47	2.81						*23.00	*27.80			
Pulverized Sheep & Goat Manure 1.25–T.P.A. 1–2	Baltimore	1.25	1.46						*1.00	*2.10	2.00	4.19	
AA Chieftain Mixture 0–14–6	Baltimore							.70	14.00	14.00	6.00	6.38	
AA Victory Mixture 0–12–5	Baltimore							.50	12.00	12.30	5.00	5.28	
AA Superphosphate 0–20–0	Baltimore							1.10	20.00	20.20			
AA Superphosphate 0–20–0	Baltimore							.50	20.00	20.00			
AA Superphoshpate 0–20–0	Baltimore							.90	20.00	20.10			
AA Superphosphate 0–16–0	Baltimore							.90	16.00	16.50			
AA Superphosphate 0–16–0	Baltimore							.90	16.00	16.60			
AA Basic Lime Phosphate 0–16–0	Baltimore							1.00	16.00	16.50			
AA Basic Lime Phosphate 0–16–0	Baltimore							.90	16.00	16.20			

AA Superphosphate 0–16–0	Baltimore							.90	16.00	16.60			
AA Basic Lime Phosphate 0–16–0	Baltimore							1.00	16.00	16.50			
AA Basic Lime Phosphate 0–16–0	Baltimore							.90	16.00	16.20			
Muriate of Potash 0–0–50	Taneytown										50.00	50.80	
Armour Fertilizer Works, Baltimore, Md.													
Armour's Big Crop Fertilizer 3–12–6	Mt. Lake Park	3.00	3.00	2.10	2.06	.90	.94	.30	12.00	12.30	6.00	6.38	46 A
Armour's Big Crop Fertilizer 2–12–6	Baltimore	2.00	1.98	1.40	1.27	.60	.71	.30	12.00	12.50	6.00	6.71	40 A
Armour's Big Crop Fertilizer 2–12–6	Baltimore	2.00	1.99	1.40	1.34	.60	.65	.40	12.00	12.40	6.00	6.21	2 A
Armour's Big Crop Fertilizer 2–9–5	Baltimore	2.00	1.97	1.40	1.36	.60	.61	.30	9.00	9.50	5.00	5.28	41 B
Armour's Big Crop Fertilizer 2–9–5	Baltimore	2.00	2.13	1.40	1.47	.60	.66	.40	9.00	9.00	5.00	5.89	5 B
Armour's Big Crop Fertilizer 2–8–10	Baltimore	2.00	1.99	1.40	1.31	.60	.68	.50	8.00	8.00	10.00	11.00	125 B
Armour's Big Crop Fertilizer 2–8–10	Baltimore	2.00	1.99	1.40	1.26	.60	.73	.50	8.00	8.20	10.00	10.44	35 A
Armour's Big Fertilizer 0–14–6	Baltimore							.30	14.00	15.00	6.00	6.60	
Armour's Big Crop Fertilizer 0–14–6	Baltimore							.60	14.00	14.10	6.00	6.24	
Armour's Big Crop Fertilizer 0–10–10	Baltimore							.30	10.00	10.20	10.00	10.40	
Armour's Big Crop Fertilizer 0–10–10	Baltimore							.30	10.00	10.40	10.00	10.60	
Armour's Big Crop Fertilizer 0–12–5	Easton							.40	12.00	12.70	5.00	5.35	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.30	12.00	13.00	5.00	5.32	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.40	12.00	12.20	5.00	5.60	
Armour's Big Crop Superphosphate 0–16–0	Baltimore							.30	16.00	16.40			
Armour's Big Crop Superphosphate 0–16–0	Mt. Lake Park							.40	16.00	16.30			
Associated Fertilizer Merchants, Inc., Baltimore, Md.													
2–12–6	Baltimore	2.00	1.98	1.50	1.46	.50	.52	1.20	12.00	12.00	6.00	6.28	45 A
2–12–6	Baltimore	2.00	1.98	1.50	1.33	.50	.65	1.20	12.00	12.30	6.00	5.98	192 B
2–12–6	Baltimore	2.00	1.99	1.50	1.33	.50	.66	1.10	12.00	12.00	6.00	6.21	2 A
2–12–6	Baltimore	2.00	1.99	1.50	1.61	.50	.38	1.00	12.00	12.10	6.00	6.36	39 A
2–12–4	Baltimore	2.00	2.13	1.50	1.61	.50	.52	1.30	12.00	12.10	4.00	4.28	277 B
0–12–5	Baltimore							1.00	12.00	12.40	5.00	5.74	
Baltimore Fertilizer Co., Baltimore, Md.													
Honest 4–8–7	Bel Air	4.00	4.44	3.40	3.92	.60	.52	.40	8.00	9.50	7.00	7.40	240 A
Honest 4–8–5	Bel Air	4.00	4.07	3.40	3.64	.60	.43	.50	8.00	9.20	5.00	6.64	199 A
Honest 2–12–6	Bel Air	2.00	2.43	1.40	2.18	.60	.25	.60	12.00	13.00	6.00	5.59	94 A
Honest 2–12–6	Glyndon	2.00	2.02	1.40	1.57	.60	.45	.50	12.00	11.60	6.00	7.29	36 A
Honest 2–12–6	Baltimore	2.00	1.97	1.40	1.46	.60	.52	.90	12.00	12.30	6.00	6.13	25 A
Honest 2–12–6	Baltimore	2.00	2.04	1.40	1.38	.60	.66	.70	12.00	12.10	6.00	6.43	33 A
Honest 2–12–4	Bel Air	2.00	2.33	1.40	1.87	.60	.46	.60	12.00	11.40	4.00	4.52	40 B
Honest 2–9–5	Bel Air	2.00	2.20	1.40	1.68	.60	.52	.50	9.00	9.90	5.00	5.74	87 B
Honest 2–9–5	Glyndon	2.00	2.16	1.40	1.59	.60	.57	.30	9.00	9.10	5.00	5.82	194 B
Honest 2–9–5	Baltimore	2.00	2.02	1.40	1.38	.60	.64	.40	9.00	9.80	5.00	5.28	43 A

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Baltimore Fertilizer Co., Balto., Md. Cont.													
Honest 2–8–10	Glyndon	2.00	**2.01**	1.40	**1.52**	.60	.49	.40	8.00	8.40	10.00	**9.96**	67 B
Honest 1–10–5	Westminster	1.00	**1.64**	.40	**1.21**	.60	.43	.40	10.00	**10.60**	5.00	**6.60**	0
Honest 0–12–5	Baltimore	.....	.....	.....	.....	.....	.....	.50	12.00	**12.50**	5.00	**5.35**	.....
W. J. Barton & Son, Centreville, Md.													
MBW. 2–12–6	Centreville	2.00	**1.97**	1.25	**1.31**	.75	.66	.70	12.00	**12.00**	6.00	**6.56**	70 A
MBW. 2–12–6	Baltimore	2.00	**2.01**	1.25	.21	.75	**1.80**	**1.30**	12.00	**12.00**	6.00	**6.40**	71 B
MBW. Fruit Special 2–9–5	Centreville	2.00	**1.99**	1.25	**1.32**	.75	.67	.50	9.00	**10.00**	5.00	**5.24**	35 A
MBW. 2–8–10	Centreville	2.00	**1.98**	1.25	**1.33**	.75	.65	.70	8.00	**8.00**	10.00	**10.40**	11 A
MBW. 2–8–10	Baltimore	2.00	**1.97**	1.25	**1.19**	.75	.78	.60	8.00	8.40	10.00	**10.44**	83 B
MBW. Caroline Special 1–10–5	Centreville	1.00	**1.01**	.25	.24	.75	.77	.90	10.00	**9.60**	5.00	**5.28**	119 B
MBW. 0–10–10	Centreville	.....	.....	.....	.....	.....	.....	.20	10.00	**10.80**	10.00	**10.40**	.....
The Baugh & Sons Co., Baltimore, Md.													
Baugh's Balanced Plant Food 4–12–4	Baltimore	4.00	**3.99**	3.10	**3.10**	.90	.89	**1.10**	12.00	**12.20**	4.00	**4.16**	253 A
Baugh's Approved Truck Grower 4–8–8	Baltimore	4.00	**3.99**	3.00	**3.06**	1.00	.93	.80	8.00	**8.30**	8.00	**8.80**	25 A
Baugh's Peruvian Guano Sub. 4–8–5	Baltimore	4.00	**4.00**	3.10	**3.23**	.90	.77	.70	8.00	**8.80**	5.00	**5.16**	93 A
Baugh's Wheat Fertilizer for Wheat and Grass 3–12–6	Baltimore	3.00	**2.99**	2.30	**2.24**	.70	.75	**1.30**	12.00	**12.60**	6.00	**6.02**	114 A
Baugh's Wheat Fertilizer for Wheat and Grass 3–12–6	Baltimore	3.00	**3.00**	2.30	**2.27**	.70	.73	**1.20**	12.00	**12.20**	6.00	**6.36**	59 B
Baugh's Three Quarter Century Perfection Brand 3–12–6	Baltimore	3.00	**2.99**	2.10	**2.33**	.90	.66	**1.00**	12.00	**12.20**	6.00	**6.40**	105 B
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**2.08**	1.20	**1.26**	.80	.82	**1.10**	12.00	**12.20**	6.00	**6.21**	55 A
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**2.01**	1.20	**1.32**	.80	.69	**1.20**	12.00	**12.20**	6.00	**6.40**	6 A
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**2.01**	1.20	**1.25**	.80	.76	**1.30**	12.00	**12.00**	6.00	**5.98**	9 A
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**2.08**	1.20	**1.38**	.80	.70	**1.20**	12.00	**12.30**	6.00	**6.21**	18 A
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**1.99**	1.40	**1.60**	.60	.39	.90	9.00	**10.00**	5.00	**5.38**	14 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**2.12**	1.40	**1.60**	.60	.52	.80	9.00	**9.40**	5.00	**5.24**	19 A
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**2.01**	1.40	**1.49**	.60	.52	**1.00**	9.00	**9.40**	5.00	**5.20**	30 B

tilizer 2–9–5	Baltimore	2.00	2.12	1.40	1.60	.60	.52	.80	9.00	9.40	5.00	5.24	19 A
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.01	1.40	1.49	.60	.52	1.00	9.00	9.40	5.00	5.20	30 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.99	1.40	1.49	.60	.50	1.00	9.00	9.10	5.00	5.12	11 B
Baugh's Commercial Crop Compound 2–8–10	Baltimore	2.00	1.99	1.40	1.61	.60	.38	.80	8.00	8.20	10.00	10.40	16 B
Baugh's Commercial Crop Compound 2–8–10	Baltimore	2.00	1.97	1.40	1.60	.60	.37	.90	8.00	8.70	10.00	10.24	25 A
Baugh's Commercial Crop Compound 2–8–10	Baltimore	2.00	2.02	1.40	1.53	.60	.49	.60	8.00	8.10	10.00	10.50	1 B
Baugh's Phosphate & Potash Mix. 0–14–6	Linwood							1.10	14.00	14.10	6.00	6.60	
Baugh's Phosphate & Potash Mix. 0–14–6	Baltimore							1.10	14.00	14.00	6.00	6.36	
Baugh's Phosphate & Potash Mix. 0–14–6	Baltimore							1.00	14.00	14.00	6.00	6.75	
Baugh's Phosphate & Potash Mix. 0–10–10	Baltimore							.80	10.00	10.70	10.00	10.44	
Baugh's Phosphate & Potash Mix. 0–10–10	Baltimore							.70	10.00	10.40	10.00	10.40	
Baughphos, The Ideal Superphosphate 0–20–0	Baltimore							.20	20.00	20.30			
Baughphos, The Ideal Superphosphate 0–20–0	Baltimore							.30	20.00	20.30			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.20	16.00	17.30			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.30	16.00	16.40			
Baugh's Lime & Phosphate 0–16–0	Baltimore							.30	16.00	17.00			
Baugh's Lime & Phosphate 0–16–0	Baltimore							1.40	16.00	16.00			
F. W. Bolgiano & Co., Inc., Washington, D.C.													
Gold Tag 4–12–4	Hyattsville	4.00	4.35	3.00	3.17	1.00	1.18	1.10	12.00	11.50	4.00	4.34	236 A
Gold Tag 4–8–5		4.00	3.97	3.00	2.77	1.00	1.20	.60	8.00	8.00	5.00	5.20	121 B
Gold Tag 2–12–6		2.00	2.11	1.50	1.35	.50	.76	.80	12.00	12.00	6.00	6.46	100 B
Gold Tag 2–12–4		2.00	2.16	1.50	1.50	.50	.66	.90	12.00	12.10	4.00	4.42	140 B
Gold Tag 2–9–5		2.00	2.05	1.50	1.27	.50	.78	.60	9.00	9.10	5.00	5.67	190 B
Gold Tag Sulphate of Ammonia 20–0–0		20.00	20.68										
Gold Tag Raw Bone Meal 3.70–T.P.A. 20.50–0		3.70	4.16						*20.50	*22.60			
Gold Tag Superphosphate 0–16–0								1.00	16.00	16.20			
Herbert Bryant Inc., Alexandria, Va.													
Pure Fish Compound 3–10–5	Wash. Grove	3.00	2.72	.30	.22	2.70	2.50	2.20	10.00	11.00	5.00	5.38	6 A
2–12–4	Wash. Grove	2.00	2.12	1.00	1.07	1.00	1.05	2.10	12.00	11.60	4.00	4.34	95 A
2–9–5	Wash. Grove	2.00	1.97	1.00	.98	1.00	.99	1.00	9.00	9.00	5.00	5.12	22 B
2–9–2	Wash. Grove	2.00	2.01	1.00	1.08	1.00	.93	1.30	9.00	9.40	2.00	2.40	81 B

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Herbert Bryant Inc., Alexandria, Va. Cont.													
2–9–2	Dickerson	2.00	**2.08**	1.00	**1.02**	1.00	**1.06**	**.90**	9.00	**9.70**	2.00	**2.32**	61 B
2–8–5	Silver Spring	2.00	**2.01**	1.00	**1.00**	1.00	**1.01**	**.90**	8.00	**8.30**	5.00	**5.40**	17 A
2–8–5	Wash. Grove	2.00	**2.02**	1.00	**1.09**	1.00	**.93**	**.80**	8.00	**8.20**	5.00	**5.35**	45 A
2–8–5	Dickerson	2.00	**1.97**	1.00	**1.02**	1.00	**.95**	**.80**	8.00	**8.80**	5.00	**5.40**	3 B
Pure Animal Bone Meal 3.70–T.P.A. 21.50–0	Silver Spring	3.70	**3.79**						*21.50	***21.60**			
Steamed Bone Meal 2.47–P.T.A. 22.88–0	Hyattsville	2.47	**2.67**						*22.88	***23.40**			
High Grade Superphosphate 0–20–0	Wash. Grove							**.40**	20.00	**21.40**			
High Grade Superphosphate 0–16–0	Wash. Grove							**1.40**	16.00	**16.80**			
A. H. Case & Co., Inc., Buffalo, N. Y.													
Par Plus Brand Pulverized Sheep Manure 1.85–T.P.A. 1.50–1.50	Silver Spring	1.85	**2.46**						*1.50	***3.00**	1.50	**1.84**	
Central Chemical Corporation of Maryland Hagerstown, Md.													
Farmrite Famous Old Fish Brand 2–12–6	Frederick	2.00	**1.97**	.80	**.86**	1.20	**1.11**	**1.50**	12.00	**12.00**	6.00	**6.60**	78 B
Farmrite Fertilizer 2–12–6	Frederick	2.00	**1.98**	1.40	**1.33**	.60	**.65**	**.80**	12.00	**12.00**	6.00	**6.52**	136 B
Farmrite Excelsior 2–9–5	Frederick	2.00	**1.97**	1.40	**1.32**	.60	**.65**	**.50**	9.00	**9.20**	5.00	**5.04**	466 B
Farmrite Excelsior 2–9–5	Myersville	2.00	**1.98**	1.40	**1.33**	.60	**.65**	**.50**	9.00	**9.20**	5.00	**5.25**	415 B
Farmrite Excelsior 2–9–5	Friendsville	2.00	**1.97**	1.40	**1.26**	.60	**.71**	**.50**	9.00	**9.00**	5.00	**5.12**	296 B
Farmrite Imperial 2–8–10	Friendsville'	2.00	**1.97**	1.40	**1.35**	.60	**.62**	**.40**	8.00	**8.10**	10.00	**10.00**	359 B
Farmrite Imperial 2–8–10	Hancock	2.00	**2.09**	1.40	**1.46**	.60	**.63**	**.40**	8.00	**8.00**	10.00	**10.24**	364 B
Farmrite Potash Special 0–12–5	Frederick							**.70**	12.00	**12.70**	5.00	**5.20**	
Farmrite Superphosphate 0–20–0	Frederick							**.40**	20.00	**20.60**			
Farmrite Superphosphate 0–16–0	Frederick							**.30**	16.00	**16.80**			
Farmrite Superphosphate 0–16–0	Hancock							**.40**	16.00	**16.90**			
Chewsville Cooperative Association, Inc., Chewsville, Md.													
Crop Producer 3–12–6	Chewsville	3.00	**3.02**	2.00	**2.11**	1.00	**.91**	**2.00**	12.00	**12.40**	6.00	**6.40**	164 A
Golden Harvest 2–9–5	Chewsville	2.00	**2.12**	1.00	**1.08**	1.00	**1.04**	**1.00**	9.00	**11.00**	5.00	**5.20**	336 B
Phosphate & Potash 0–12–5	Chewsville							.50	12.00	**14.30**	5.00	**5.20**	
Granular Superphosphate 0–20–0	Chewsville							**1.40**	20.00	**20.60**			
Superphosphate 0–16–0	Chewsville							**.30**	16.00	**17.20**			

Phosphate & Potash 0–12–5	Chewsville							.50	12.00	14.30	5.00	5.20	
Granular Superphosphate 0–20–0	Chewsville							1.40	20.00	20.60			
Superphosphate 0–16–0	Chewsville							.30	16.00	17.20			
Clark & Owings, Ellicott City, Md.													
†Mixture "C" 3–10–5	Ellicott City	3.00	3.06	1.50	1.40	1.50	1.66	3.80	10.00	11.30	5.00	5.90	116 A
Mixture "D" 2–9–5	Baltimore	2.00	2.06	1.00	1.24	1.00	.82	1.60	9.00	9.10	5.00	5.05	69 A
†Mixture "D" 2–9–5	Ellicott City	2.00	2.06	1.00	1.34	1.00	.72	1.50	9.00	9.10	5.00	5.20	66 A
Cumberland Fertilizer Co., Bridgeton, N. J.													
†Cumberland 2–9–5	Elkton	2.00	2.40	2.00	1.97		.43	.80	9.00	8.70	5.00	5.40	231 B
Cumberland Valley Cooperative Association, Shippensburg, Pa.													
†Old Reliable Superphosphate 0–16–0	Hagerstown							1.10	16.00	17.00			
The Davison Chemical Corp., Baltimore, Md.													
Davco Granulated Fertilizer 4–12–4	Baltimore	4.00	4.00	3.86	3.83	.14	.17	.70	12.00	12.30	4.00	4.19	143 B
Davco Granulated Fertilizer 4–8–8	Baltimore	4.00	3.88	3.86	3.66	.14	.22	.50	8.00	8.20	8.00	8.80	27 B
Davco Granulated Fertilizer 3–12–6	Baltimore	3.00	2.98	2.90	2.86	.10	.12	.70	12.00	12.00	6.00	6.60	4 B
Davco Granulated Fertilizer 2–12–6	Baltimore	2.00	1.98	1.20	1.28	.80	.70	1.00	12.00	12.00	6.00	6.13	461 B
Davco Granulated Fertilizer 2–12–6	Baltimore	2.00	1.97	1.20	1.19	.80	.78	1.00	12.00	12.10	6.00	6.44	402 B
Davco Granulated Fertilizer 2–12–6	Baltimore	2.00	2.05	1.20	1.32	.80	.73	.80	12.00	12.00	6.00	6.44	384 B
Davco Granulated Fertilizer 2–9–5	Baltimore	2.00	1.97	1.40	1.32	.60	.65	.80	9.00	9.00	5.00	5.24	647 B
Davco Granulated Fertilizer 0–16–10	Baltimore							.90	16.00	16.30	10.00	10.40	
Davco Granulated Fertilizer 0–14–6	Baltimore							.80	14.00	14.00	6.00	6.60	
Davco Granulated Fertilizer 0–12–12	Baltimore							.60	12.00	12.30	12.00	13.36	
Davco Granulated Fertilizer 0–10–10	Baltimore							.60	10.00	10.10	10.00	11.20	
Davco Granulated Fertilizer 0–10–10	Denton							.50	10.00	9.70	10.00	12.00	
Davco Granulated Fertilizer 0–12–5	Baltimore							.70	12.00	12.10	5.00	5.40	
Devilbiss Brothers, New Windsor, Md.													
2–12–6	New Windsor	2.00	2.09	1.80	1.95	.20	.14	.80	12.00	12.50	6.00	6.85	2 B
Butcher House 2–9–5	New Windsor	2.00	2.18	1.60	1.83	.40	.35	1.00	9.00	11.20	5.00	6.68	46 B
Wheat Grower 1–10–5	New Windsor	1.00	1.26	.80	1.01	.20	.25	.90	10.00	11.70	5.00	6.36	120 B
Super Phosphate 0–18–0	New Windsor							.70	18.00	20.60			
Dorchester Fertilizer Co., Cambridge, Md.													
Dorco Imperial 3–12–6	Cambridge	3.00	3.20	2.00	2.53	1.00	.67	.70	12.00	11.40	6.00	6.90	54 A
†Dorco Winner 2–10–10	Cambridge	2.00	2.18	1.50	1.60	.50	.58	.60	10.00	9.70	10.00	10.70	225 B
Merit 2–12–6	Cambridge	2.00	2.22	1.60	1.68	.40	.54	.40	12.00	12.00	6.00	6.75	180 B
Diamond 2–12–4	Cambridge	2.00	2.12	1.90	1.77	.10	.35	.80	12.00	12.20	4.00	4.82	171 B
Diamond 2–9–5	Cambridge	2.00	2.01	1.90	1.91	.10	.10	.80	9.00	9.10	5.00	5.74	115 B

* Total Phosphoric Acid.
‡ Not Licensed at Time of Sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Dorchester Fertilizer Co., Cambridge, Md. Continued													
Favorite 2–8–10	Cambridge	2.00	2.05	1.90	1.87	.10	.18	.30	8.00	8.90	10.00	10.50	62 A
Leader 0–14–6	Cambridge							.50	14.00	13.70	6.00	7.32	
Superior 0–12–12	Cambridge							.50	12.00	12.10	12.00	12.10	
Standard 0–10–10	Cambridge							.60	10.00	10.00	10.00	10.50	
†Harvest 0–12–5	Cambridge							.80	12.00	12.00	5.00	5.28	
Superphosphate 0–16–0	Cambridge							.90	16.00	16.50			
Egypt Poultry Farm, Owings Mills, Md.													
Egytian Grower 2.70–T.P.A. 1.60–1.28	Owings Mills	2.70	2.84						*1.60	*3.60	1.28	1.50	
Farmers Cooperative Association, Inc., Frederick, Md.													
Sure Crop 2–12–6	Frederick	2.00	1.98	1.60	1.38	.40	.60	.70	12.00	12.00	6.00	6.54	39 B
Wheat & Grass Special 2–9–5	Frederick	2.00	1.99	1.60	1.50	.40	.49	.90	9.00	9.70	5.00	6.78	174 B
Rock & Potash Special 0–12–5	Frederick							.80	12.00	11.10	5.00	6.98	
Superphosphate 0–16–0	Frederick							1.40	16.00	14.70			
Farmers Fertilizer & Feed Co., Westminster, Md.													
Economy 3–12–6	Westminster	3.00	2.79	2.50	2.32	.50	.47	1.40	12.00	11.80	6.00	6.52	30 B
Superior 2–12–6	Westminster	2.00	1.98	1.40	1.40	.60	.58	1.40	12.00	11.40	6.00	6.78	199 B
High Grade 2–9–5	Westminster	2.00	1.97	1.40	1.40	.60	.57	1.60	9.00	8.70	5.00	5.76	335 B
Farmers Potash Special 2–8–10	Westminster	2.00	2.04	1.40	1.57	.60	.47	1.30	8.00	7.70	10.00	10.42	200 B
Superphosphate & Potash 0–12–5	Westminster							.50	12.00	11.80	5.00	5.30	
Superphosphate 0–16–0	Westminster							.70	16.00	17.00			
The Farmers & Planters Co., Salisbury, Md.													
F. & P. Brand 2–9–5 Corn Grower	Salisbury	2.00	2.23	1.60	1.81	.40	.42	1.80	9.00	8.50	5.00	5.28	299 B
F. & P. Brand 2–8–10 Sweet Potato	Salisbury	2.00	2.04	1.60	1.64	.40	.40	1.40	8.00	8.00	10.00	10.24	317 B
General Chemical Co., New York, N. Y.													
Veget-Aid Complete Plant Food 5–10–4	Salisbury	5.00	5.01	4.80	4.20	.20	.81	.60	10.00	11.40	4.00	5.67	
Griffith & Boyd Co., Baltimore, Md.													
Griffith & Boyd's Royal Fish Guano Brand 2–12–6	Baltimore	2.00	1.99	.40	.31	1.60	1.68	1.10	12.00	12.40	6.00	7.14	78 B

Veget-Aid Complete Plant Food 5–10–4	Salisbury	5.00	5.01	4.80	4.20	.20	.81	.00	10.00	11.40	4.00	5.07	
Griffith & Boyd Co., Baltimore, Md.													
Griffith & Boyd's Royal Fish Guano Brand 2–12–6	Baltimore	2.00	1.99	.40	.31	1.60	1.68	1.10	12.00	12.40	6.00	7.14	78 B
Griffith & Boyd's Royal Fish Guano Brand 2–12–6	Hagerstown	2.00	1.97	.40	.39	1.60	1.58	1.10	12.00	12.60	6.00	6.48	21 A
†Griffith & Boyd's Royal Fish Guano Brand 2–12–6	Baltimore	2.00	2.06	.40	.51	1.60	1.55	1.00	12.00	12.20	6.00	6.50	78 B
Griffith & Boyd's Wheat & Grain Special 2–12–6	Baltimore	2.00	1.90	1.40	1.24	.60	.66	.80	12.00	12.60	6.00	6.60	19 B
†Griffith & Boyd's Fish and Potash Guano Brand 2–10–4	Baltimore	2.00	2.05	1.40	1.25	.60	.80	.90	10.00	10.60	4.00	4.34	8 A
Special Guano 2–9–5	Baltimore	2.00	2.02	1.40	1.24	.60	.78	.50	9.00	9.90	5.00	5.20	64 B
Special Guano 2–9–5	Baltimore	2.00	2.06	1.40	1.40	.60	.66	.50	9.00	9.30	5.00	5.65	42 B
Special Superphosphate 0–20–0	Baltimore							.30	20.00	20.10			
Griffith & Turner Co., Baltimore, Md.													
G. & T. Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	2.86						*14.00	*17.30			
G. & T. Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	2.96						*14.00	*16.50			
Hampstead Fertilizer Co., Hampstead, Md.													
Hampstead's 2–12–6	Hampstead	2.00	1.99	1.50	1.59	.50	.40	.40	12.00	12.80	6.00	6.60	142 A
Hampstead 2–9–5	Hampstead	2.00	2.01	1.50	1.59	.50	.42	.40	9.00	9.50	5.00	5.22	137 B
Horsey, Roe & Co., Greensboro, Md.													
0–15–6	Greensboro							.90	15.00	15.70	6.00	6.84	
0–12–12	Greensboro							.70	12.00	12.60	12.00	12.70	
Huston, Culver & Co., Inc., Seaford, Del.													
Huston's Special 1–10–5	Federalsburg	1.00	1.22	.50	1.05	.50	.17	.60	10.00	12.50	5.00	6.36	309 B
Wheat Special 0–10–10	Federalsburg							.60	10.00	10.80	10.00	10.24	
The Maryland Milling & Supply Co., Sykesville, Md.													
1939 Mixture 3–12–6	Jessups	3.00	3.33					.60	12.00	12.30	6.00	6.72	
Gambrill's Mixture 2–12–6	Sykesville	2.00	2.92	1.75	2.68	.25	.24	1.30	12.00	11.10	6.00	6.75	29 A
Gambrill's Mixture 2–12–6	Catonsville	2.00	3.07					.50	12.00	12.30	6.00	6.60	
Gambrill's Mixture 2–12–6	Owings Mills	2.00	2.02					.80	12.00	12.00	6.00	7.08	
Gambrill's Mixture 2–12–6	Reisterstown	2.00	2.16					1.00	12.00	12.20	6.00	6.09	
Newman's Favorite 2–9–5	Sykesville	2.00	1.90	1.50	1.54	.50	.36	.70	9.00	10.00	5.00	5.35	152 B
Special Mixture 1–12–6	Sykesville	1.00	1.43	.50	1.07	.50	.36	1.30	12.00	13.00	6.00	6.40	12 B
Special Mixture	Sykesville	1.00	1.26	.50	.81	.50	.45	1.40	12.00	12.60	6.00	7.06	35 B

* Total Phosphoric Acid.
‡ Not Licensed at Time of Sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Maryland Tobacco Growers' Association Baltimore, Md.													
Md. Assoc. Brand 2–9–5	Baltimore	2.00	**1.97**	1.50	**1.33**	.50	.64	**1.00**	9.00	**9.00**	5.00	**5.28**	28 A
Md. Asso. Brand Superphosphate 0–20–0	Baltimore							.90	20.00	**20.40**			
Md. Assoc. Brand Superphosphate 0–16–0	Baltimore							.80	16.00	**16.90**			
Md. Assoc. Brand Superphosphate 0–16–0	Baltimore							.90	16.00	**16.90**			
Massey & Wilmer, Inc., Chestertown, Md.													
2–12–6	Chestertown	2.00	**1.97**	1.20	**1.26**	.80	.71	**.60**	12.00	**12.10**	6.00	**7.76**	123 B
Trustworthy 2–9–5	Chestertown	2.00	**1.99**	1.25	**1.33**	.75	.66	**1.30**	9.00	**9.40**	5.00	**5.20**	52 B
Progagator 2–8–10	Chestertown	2.00	**2.04**	1.20	**1.26**	.80	.78	**.70**	8.00	**9.30**	10.00	**11.18**	57 B
Crop Producer 1–10–5	Chestertown	1.00	**1.10**	.80	.80	.20	.30	**.90**	10.00	**10.80**	5.00	**5.28**	136 B
0–10–10	Chestertown							**.50**	10.00	**10.50**	10.00	**10.44**	
0–2–5	Chestertown							**1.10**	12.00	**13.00**	5.00	**5.01**	
Medford Fertilizer Works, Medford, Md.													
2–12–6	Medford	2.00	**1.97**	1.50	**1.49**	.50	.48	**.60**	12.00	**12.30**	6.00	**6.38**	3 B
2–9–5	Medford	2.00	**1.98**	1.50	**1.57**	.50	.41	**.30**	9.00	**9.00**	5.00	**5.82**	140 B
2–8–10	Medford	2.00	**2.13**	1.50	**1.83**	.50	.30	**.40**	8.00	**8.60**	10.00	**10.24**	163 B
1–10–5	Medford	1.00	**1.21**	.75	**.86**	.25	.35	**.40**	10.00	**10.70**	5.00	**4.74**	176 B
0–12–5	Medford							**.50**	12.00	**13.30**	5.00	**4.98**	
The Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mt. Airy Wheat & Corn Special 3–12–6	Mt. Airy	3.00	**2.98**	1.50	**1.83**	1.50	**1.15**	**1.40**	12.00	**12.20**	6.00	**6.13**	46 A
Open Formula 2–12–6	Keymar	2.00	**1.99**	1.60	**1.54**	.40	.45	**.80**	12.00	**12.30**	6.00	**6.13**	96 B
†Open Formula 2–12–6	Taneytown	2.00	**2.02**	1.60	**1.68**	.40	.34	**1.20**	12.00	**12.50**	6.00	**6.70**	54 B
Mehring's Indian Chief 2–12–6	Keymar	2.00	**2.02**	1.60	**1.47**	.40	.55	**.90**	12.00	**12.10**	6.00	**6.52**	113 B
Mehring's Weat & Grass 2–12–4	Mt. Airy	2.00	**1.99**	1.60	**1.61**	.40	.38	**1.10**	12.00	**12.10**	4.00	**4.97**	158 B
Open Formula 2–9–5	Woodsboro	2.00	**2.01**	1.60	**1.61**	.40	.40	**.80**	9.00	**9.00**	5.00	**5.50**	265 B
Open Forumla 2–9–5	Keymar	2.00	**2.01**	1.60	**1.54**	.40	.47	**.70**	9.00	**9.10**	5.00	**5.35**	258 B
Mehring's Mammoth Truck Grower 2–9–5	Keymar	2.00	**1.97**	1.60	**1.54**	.40	.43	**.60**	9.00	**9.00**	5.00	**5.38**	263 B
†Mehring's 2–8–10	Woodsboro	2.00	**2.02**	1.60	**1.78**	.40	.24	**.80**	8.00	**9.80**	10.00	**8.38**	275 B

†Mehring's 2–8–10	Woodsboro	2.00	2.02	1.60	1.78	.40	.24	.80	8.00	9.80	10.00	8.38	275 B
Mehring's Potash Mixture 0–14–6	Keymar							.80	14.00	13.30	6.00	6.21	
Mehring's Superphosphate 0–20–0	Woodsboro							.90	20.00	19.20			
Mehring's Superphosphate 0–16–0	Keymar							1.00	16.00	16.30			
Miller Chemical & Fertilizer Corp., Baltimore, Md.													
†Rich Yield 4–12–4	Elkton	4.00	3.82	3.20	2.95	.80	.87	.80	12.00	12.40	4.00	4.50	209 A
Rich Yield 3–12–6	Baltimore	3.00	3.02	2.25	2.20	.75	.82	.80	12.00	12.50	6.00	6.52	121 A
Rich Yield 3–12–6	Baltimore	3.00	2.90	2.25	2.22	.75	.68	.90	12.00	12.20	6.00	6.40	139 B
Fish Brand 2–12–6	Baltimore	2.00	1.98	.80	.95	1.20	1.03	1.10	12.00	12.00	6.00	6.24	92 A
Rich Yield 2–12–6	Baltimore	2.00	1.99	1.50	1.35	.50	.64	1.00	12.00	12.00	6.00	6.32	69 A
Harvert Queen 2–9–5	Baltimore	2.00	1.98	1.20	1.15	.80	.83	.80	9.00	9.20	5.00	5.52	16 B
Harvest Queen 2–9–5	Baltimore	2.00	2.05	1.20	1.38	.80	.67	.70	9.00	9.30	5.00	5.00	53 A
Rich Yield 2–8–10	Baltimore	2.00	1.97	1.20	1.24	.80	.73	.70	8.00	8.30	10.00	10.00	50 A
†Rich Yield 0–14–6	Denton							.90	14.00	14.10	6.00	6.28	
†Rich Yield 0–12–5	Denton							.90	12.00	12.40	5.00	5.35	
Rich Yield Superphosphate 0–20–0	Baltimore							.20	20.00	20.10			
North American Cement Corporation, New York, N. Y.													
Security Potash-Lime 0–0–5	Security										5.00	8.38	
Peerless Fertilizer Co., Inc., Chestertown, Md.													
2–12–6	Salisbury	2.00	2.13	1.25	1.33	.75	.80	1.70	12.00	12.30	6.00	6.90	16 B
2–9–5	Chestertown	2.00	2.01	1.30	1.29	.70	.72	.90	9.00	9.40	5.00	5.28	83 B
0–10–10	Chestertown							.50	10.00	10.60	10.00	10.60	
0–12–5	Chestertown							1.10	12.00	14.60	5.00	5.32	
Pokon Plant Food Corp., Detroit, Mich.													
†Pokon Plant Food 16–21–25	Baltimore	16.00	15.96	16.00	16.90		.06	.20	21.00	21.10	25.00	29.50	
N. V. Potash Export My. Inc., of Amsterdam, Holland, New York, N. Y.													
Muriate of Potash 0–0–50	Baltimore										50.00	46.60	
Warner W. Price Co., Inc., Smyrna, Del.													
Ralph's Improved Wheat Formula 2–12–6	Chesapeake Cty.	2.00	2.15	1.25	1.21	.75	.94	1.50	12.00	12.40	6.00	6.13	61 B
Ralph's Improved Wheat Formula 2–12–6		2.00	2.06	1.25	1.24	.75	.82	1.60	12.00	12.20	6.00	6.29	41 B
†L. & P. 2–9–5		2.00	2.05	1.71	1.70	.29	.35	.70	9.00	9.70	5.00	5.20	85 B
†2–8–10	Chesapeake Cty.	2.00	1.98	1.71	1.31	.29	.67	.70	8.00	8.10	10.00	10.08	159 B

‡ Not Licensed at Time of Sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
W. W. Price Co., Inc., Smyrna, Del. (Cont.)													
†0–14–6	Chesapeake Cty.							.50	14.00	12.90	6.00	7.57	
0–10–10								.30	10.00	10.30	10.00	10.70	
0–12–5								.40	12.00	12.80	5.00	5.82	
Superphosphate 0–16–0								.40	16.00	16.40			
The Ramsburg Fertilizer Co., Frederick, Md.													
Chanpion 3–12–6	Frederick	3.00	3.10	2.35	2.46	.65	.64	1.70	12.00	12.00	6.00	6.29	69 A
Royal Crop Grower 2–12–6	Frederick	2.00	2.12	1.35	1.40	.65	.72	1.80	12.00	11.40	6.00	6.50	35 B
Excelsior Plant Food 2–12–4	Frederick	2.00	2.12	1.35	1.49	.65	.63	2.80	12.00	11.30	4.00	4.34	85 B
Old Virginia Compound 2–9–5	Frederick	2.00	2.08	1.35	1.36	.65	.72	2.10	9.00	7.60	5.00	5.28	387 B
†Ammoniated Phosphate 1–10–5	Frederick	1.00	1.18	.50	.63	.50	.55	.90	10.00	10.10	5.00	5.28	453 B
Special Rock & Potash 0–12–5	Frederick							.80	12.00	13.00	5.00	5.20	
Super Phosphate 0–20–0	Frederick							.40	20.00	20.30			
Super Phosphate 0–16–0	Frederick							1.00	16.00	16.80			
The Reindollar Co., Taneytown, Md.													
Grain Grower 2–12–6	Taneytown	2.00	2.09	1.40	1.12	.60	.97	.80	12.00	12.20	6.00	6.32	142 B
Crop Grower 2–9–5	Taneytown	2.00	2.01	1.50	1.40	.50	.61	.50	9.00	10.00	5.00	5.40	34 B
Superphosphate 0–16–0	Taneytown							.40	16.00	17.00			
E. Miller Richardson & Co., Baltimore, Md.													
Richardson's Rose & Plant Food 3–T.P.A. 6–6	Baltimore	3.00	3.57		.07	3.00	3.50		*6.00	*6.10	6.00	7.37	
F. S. Royster Guano Co., Baltimore, Md.													
Royster Trojan Guano 4–12–4	Baltimore	4.00	4.03	3.20	2.90	.80	1.13	.70	12.00	12.20	4.00	4.12	224 A
Royster Curlew Guano 3–12–6	Baltimore	3.00	3.00	2.40	1.89	.60	1.11	.70	12.00	12.50	6.00	6.05	47 A
Royster Master Grain Guano 2–12–6	Baltimore	2.00	2.01	1.60	1.12	.40	.89	.70	12.00	12.20	6.00	6.29	18 B
Royster Gem Grain Guano 2–12–4	Baltimore	2.00	1.99	1.60	1.37	.40	.62	.80	12.00	12.00	4.00	4.00	37 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	1.97	1.60	1.30	.40	.67	.90	9.00	9.60	5.00	5.40	115 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	1.97	1.60	1.38	.40	.59	.50	9.00	9.60	5.00	5.20	136 B
Royster Banner Guano 2–8–10	Baltimore	2.00	2.01	1.60	1.23	.40	.78	.70	8.00	8.30	10.00	11.02	158 B

Royster Big Bully Guano 2–9–5	Baltimore	2.00	1.97	1.60	1.38	.40	.59	.50	9.00	9.60	5.00	5.20	136 B
Royster Banner Guano 2–8–10	Baltimore	2.00	2.01	1.60	1.23	.40	.78	.70	8.00	8.30	10.00	11.02	158 B
Royster Banner Guano 2–8–10	Baltimore	2.00	2.02	1.60	1.37	.40	.65	.40	8.00	8.50	10.00	10.40	87 B
Royster Phosphate & Potash 0–14–6	Baltimore							.60	14.00	14.20	6.00	6.29	
Royster Phosphate & Potash 0–12–5	Baltimore							.50	12.00	12.50	5.00	5.40	
Royster Phosphate & Potash 0–10–10	Baltimore							.70	10.00	10.90	10.00	10.50	
Royster Phosphate & Potash 0–10–10	Baltimore							.80	10.00	10.90	10.00	10.02	
Royster Superphosphate 0–20–0	Baltimore							1.50	20.00	20.10			
Royster Superphosphate 0–16–0	Baltimore							.70	16.00	16.00			
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Plant Food 5–9–4	Baltimore	5.00	6.25		.06	5.00	6.19	3.60	9.00	10.80	4.00	4.19	
R. H. Slingluff Fertilizer Co,, Baltimore, Md.													
Slingluff's Champion 2–9–5	Baltimore	2.00	1.97	1.60	1.38	.40	.59	1.00	9.00	9.10	5.00	5.24	158 A
Superphosphate 0–20–0	Baltimore							.90	20.00	20.30			
Superphosphate 0–20–0	Baltimore							.80	20.00	20.10			
Superphosphate 0–16–0	Baltimore							.80	16.00	17.30			
Soil Service, Rehoboth, Del.													
Soil Service 4–8–10	Denton	4.00	3.40		.14	4.00	3.26	.40	8.00	8.30	10.00	10.54	378 B
Soil Service 0–10–10	Denton							.40	10.00	8.80	10.00	13.80	
Southern States Cooperative, Inc., Richmond, Va.													
Southern States Cooperative Quality Open Formula Super Truck 5–10–5	Baltimore	5.00	4.72	3.00	2.81	2.00	1.91	.40	10.00	10.60	5.00	5.40	10 B
Southern States Cooperative Quality Open Formula Fertilizer 4-16–4	Baltimore	4.00	4.03	2.40	3.12	1.60	.91	2.20	16.00	15.40	4.00	4.26	196 B
Southern States Cooperative Quality Big Yield 3–12–6	Baltimore	3.00	2.92	2.25	1.97	.75	.95	1.20	12.00	12.10	6.00	6.44	132 B
Southern States Cooperative Quality Open Formula Fertilizer 3–12–6	Baltimore	3.00	2.97	1.80	1.95	1.20	1.02	1.40	12.00	12.50	6.00	6.48	164 B
Southern States Cooperative Quality Open Formula Fertilizer 3–12–6	Baltimore	3.00	2.98	1.80	1.84	1.20	1.14	1.30	12.00	11.80	6.00	6.33	237 B
Southern States Cooperative Quality Open Formula Fertilizer 3–12–6.	Baltimore	3.00	2.98	1.80	1.94	1.20	1.04	1.40	12.00	11.80	6.00	6.40	144 B
Southern States Cooperative Quality Open Formula Fertilizer 3–12–6	Baltimore	3.00	3.02	1.80	2.11	1.20	.91	1.30	12.00	12.10	6.00	6.52	195 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.08	1.20	1.38	.80	.70	1.30	12.00	12.20	6.00	6.44	71 A

† Not Licensed at Time of Sampling.
* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A / Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Southern States Cooperative Quality Open Formula 2–12–6	Boonsboro	2.00	2.02	1.20	1.32	.80	.70	1.30	12.00	12.00	6.00	6.36	29 A
Soutnern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	1.98	1.20	1.26	.80	.72	.90	12.00	12.30	6.00	6.50	304 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.06	1.20	1.29	.80	.77	1.00	12.00	12.40	6.00	6.05	398 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	1.99	1.20	1.24	.80	.75	1.00	12.00	12.00	6.00	6.36	241 B
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.02	1.50	1.38	.50	.64	1.30	12.00	12.00	6.00	6.68	29 A
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.04	1.50	1.40	.50	.64	1.20	12.00	11.70	6.00	6.40	17 A
Southern States Cooperative Quality Open Formula 2–12–4	Baltimore	2.00	2.23	1.20	1.38	.80	.85	1.40	12.00	12.10	4.00	4.26	230 B
Southern States Cooperative Quality Open Formula 2–12–4	Baltimore	2.00	1.99	1.20	1.26	.80	.73	1.40	12.00	12.10	4.00	4.26	329 B
Southern States Cooperative Quality Open Formula 2–12–4	Baltimore	2.00	1.99	1.20	1.25	.80	.74	1.30	12.00	12.90	4.00	4.44	302 B
Southern States Cooperative Quality Open Formula 2–12–4	Baltimore	2.00	2.16	1.20	1.47	.80	.69	1.60	12.00	11.20	4.00	4.19	172 A
Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	1.97	1.50	1.29	.50	.68	.90	9.00	9.40	5.00	5.31	15 A
Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	2.02	1.50	1.39	.50	.63	.70	9.00	9.10	5.00	5.28	22 A
Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	1.97	1.50	1.36	.50	.61	1.00	9.00	9.20	5.00	5.24	68 A
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	2.11	1.20	1.36	.80	.75	1.00	9.00	9.00	5.00	5.28	527 B
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	2.19	1.20	1.47	.80	.72	1.40	9.00	8.40	5.00	5.16	492 B
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	2.13	1.20	1.42	.80	.71	1.40	9.00	8.60	5.00	5.18	516 B

Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	2.13	1.20	1.49	.80	.64	.90	9.00	9.30	5.00	5.16	519 B
Southern States Cooperative Quality Open Formula 2–8–10	Baltimore	2.00	2.13	1.20	1.29	.80	.84	.80	8.00	8.00	10.00	10.40	491 B
Southern States Cooperative Quality Open Formula Fertilizer 0–14–6	Hagerstown							1.20	14.00	14.10	6.00	6.85	
Southern States Cooperative Quality Open Formula 0–14–6	Baltimore							1.10	14.00	14.00	6.00	7.29	
Southern States Cooperative Quality Open Formula 0–14–6	Baltimore							1.20	14.00	14.10	6.00	6.36	
Southern States Cooperative Quality Open Formula 0–10–10	Baltimore							.80	10.00	10.40	10.00	10.70	
Southern States Cooperative Quality Big Yield 0–10–10	Baltimore							.60	10.00	10.40	10.00	10.70	
Southern States Cooperative Quality Big Yield 0–10–10	Baltimore							.70	10.00	10.10	10.00	10.24	
Southern States Cooperative Quality Big Yield 0–12–5	Baltimore							1.00	12.00	12.00	5.00	5.82	
Southern States Cooperative Quality Big Yield 0–12–5	Baltimore							.70	12.00	12.60	5.00	5.60	
Southern States Cooperative Quality Big Yield 0–12–5	Baltimore							.90	12.00	12.60	5.00	4.74	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							1.00	12.00	12.30	5.00	5.45	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							1.00	12.00	12.20	5.00	5.40	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							.70	12.00	12.40	5.00	5.50	
Southern States Cooperative Quality Open Formula Fert. Superphosphate 0–20–0	Baltimore							1.00	20.00	20.60			
Southern States Cooperative Quality Open Formula Fert. Superphosphate 0–20–0	Baltimore							1.00	20.00	20.10			
Southern States Cooperative Quality Open Formula Fert. Superphosphate 0–20–0	Baltimore							.80	20.00	20.10			
Southern States Cooperative Qualtiy Superphosphate 0–16–0	Baltimore							1.00	16.00	17.00			
Southern States Cooperative Quality Superphosphate 0–16–0	Baltimore							.60	16.00	17.00			
Southern States Cooperative Quality Open Formula Limed Superphosphate 0–16–0	Baltimore							1.30	16.00	16.00			

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.													
Standard 4–12–4	Breathedsville	4.00	**3.62**					.40	12.00	**13.50**	4.00	**4.26**	
Standard 3–12–6	Baltimore	3.00	**3.00**	2.40	**2.57**	.60	**.43**	.90	12.00	**12.00**	6.00	**6.50**	22 2A
†Standard Prosperity Brand 2–12–6	Denton	2.00	**2.01**	1.60	**1.45**	.40	**.56**	.60	12.00	**12.20**	6.00	**6.28**	139 A
Standard 2–12–6	Baltimore	2.00	**1.99**	1.60	**1.66**	.40	**.33**	.50	12.00	**12.20**	6.00	**6.15**	345 B
Standard 2–9–5	Baltimore	2.00	**2.01**	1.60	**1.66**	.40	**.35**	.30	9.00	**9.40**	5.00	**5.04**	93 A
Standard 2–8–10	Baltimore	2.00	**1.97**	1.60	**1.57**	.40	**.40**	.40	8.00	**8.80**	10.00	**10.40**	121 A
Standard Bone Meal 3.70–T.P.A. 22–0	Breathedsville	3.70	**3.83**						*22.00	*22.30			
Standard 0–14–6	Baltimore							1.00	14.00	**14.10**	6.00	**6.44**	
†Standard 0–10–10	Denton							.50	10.00	**11.50**	10.00	**8.84**	
†Standard 0–12–5	Denton							.90	12.00	**12.80**	5.00	**5.56**	
Standard Superphosphate 0–20–0	Baltimore							1.00	20.00	**20.00**			
Standard Superphosphate 0–20–0	Cheltenham							.50	20.00	**20.10**			
Standard Superphosphate 0–16–0	Breathedsville							.70	16.00	**16.90**			
Standard Superphosphate 0–16–0	Baltimore							.70	16.00	**16.30**			
Summers Fertilizer Co., Inc., Baltimore, Md.													
Summers 4–12–4 Fertilizer	College Park	4.00	**3.97**	3.50	**3.52**	.50	**.45**	.80	12.00	**13.00**	4.00	**4.46**	5 A
Swift & Co., Fertilizer Works, Baltimore, Md.													
Swift's Red Steer 2–12–6	Hagerstown	2.00	**1.99**	1.50	**1.48**	.50	**.51**	1.00	12.00	**12.50**	6.00	**6.21**	39 A
Swift's Red Steer 2–12–6	Baltimore	2.00	**1.97**	1.50	**1.45**	.50	**.52**	1.00	12.00	**12.40**	6.00	**6.13**	42 B
Swift's Red Steer 2–9–5	Baltimore	2.00	**1.97**	1.50	**1.40**	.50	**.57**	.30	9.00	**9.20**	5.00	**5.48**	31 B
Swift's Red Steer 2–8–10	Hagerstown	2.00	**2.02**	1.50	**1.47**	.50	**.55**	1.10	8.00	**8.00**	10.00	**10.08**	7 B
Swift's Red Steer 2–8–10	Baltimore	2.00	**1.95**	1.50	**1.50**	.50	**.45**	.70	8.00	**8.10**	10.00	**10.80**	10 B
Raw Bone Meal Fert. 3.70-T.P.A. 20–0	Baltimore	3.70	**3.90**						*20.00	*22.70			
Bone Meal Fert. 2.47-T.P.A. 23–0	Baltimore	2.47	**2.85**						*23.00	*21.30			
Swift's Sheep Manure 1.85-T.P.A.1–1.75	Baltimore	1.85	**2.01**						*1.00	*1.70	1.75	**2.02**	
Swift's Red Steer 0–14–6	Baltimore							.70	14.00	**14.10**	6.00	**6.31**	
Swift's Red Steer 0–12–12	Hagerstown							.50	12.00	**11.80**	12.00	**14.12**	
†Swift's Red Steer 0–12–12	Baltimore							.50	12.00	**12.00**	12.00	**13.20**	
Swift's Red Steer 0–10–10	Baltimore							.60	10.00	**10.40**	10.00	**10.32**	

†Swift's Red Steer 0–12–12	Baltimore							.50	12.00	12.00	12.00	13.20	
Swift's Red Steer 0–10–10	Baltimore							.60	10.00	10.40	10.00	10.32	
Swift's Red Steer Superphosphate 0–20–0	Baltimore							.40	20.00	20.10			
Swift's Red Steer Superphosphate 0–16–0	Baltimore							.40	16.00	16.50			
Thomas & Co., Gaithersburg, Md.													
Sure Crop 2–12–6	Gaithersburg	2.00	2.15	1.80	1.87	.20	.28	1.10	12.00	12.10	6.00	5.78	8 A
Wheat & Grass Grower 2–9–5	Gaithersburg	2.00	2.11	1.80	1.85	.20	.26	1.20	9.00	9.80	5.00	5.28	251 B
Harvest Queen 1–10–5	Gaithersburg	1.00	.98	.80	.76	.20	.22	.60	10.00	11.00	5.00	5.04	438 B
Superphosphate 0–16–0	Gaithersburg							3.10	16.00	14.00			
Wm. B. Tilghman Co., Salisbury, Md.													
Tilghman's Special 2–9–5	Federalsburg	2.00	1.98	1.60	1.61	.40	.37	.50	9.00	9.20	5.00	5.82	175 B
Tilghman's Special 2–9–5	Salisbury	2.00	2.46	1.60	2.01	.40	.45	.60	9.00	9.30	5.00	5.12	45 B
Tilghman's Special 2–9–5	Princess Anne	2.00	2.43	1.60	1.88	.40	.55	.80	9.00	9.10	5.00	5.70	70 B
Tilghman's S. P. 2–8–10	Federalsburg	2.00	2.13	1.60	1.70	.40	.43	.70	8.00	8.60	10.00	11.40	64 B
Tilghman's S. P. 2–8–10	Salisbury	2.00	2.11	1.60	1.68	.40	.43	.70	8.00	8.50	10.00	10.70	25 B
†Tilghman's 0–10–10	Federalsburg							.70	10.00	10.40	10.00	11.18	
†Tilghman's Phosphate & Potash Mixture 0–12–5	Salisbury							.80	12.00	12.00	5.00	5.80	
Tilghman's Superphosphate 0–16–0	Salisbury							.70	16.00	16.50			
Towson Nurseries, Inc., Towson, Md.													
Towson Lawn Food 10–6–4	Towson	10.00	9.64	7.00	6.88	3.00	2.76	2.40	6.00	7.70	4.00	4.90	551 A
F. W. Tunnel & Co., Inc., Philadelphia, Pa.													
Tunnell's 4–8–10 Fertilizer	Colora	4.00	4.11	2.40	2.56	1.60	1.55	.80	8.00	9.30	10.00	10.16	130 A
Tunnell's 3–12–6	Colora	3.00	3.19	2.00	1.50	1.00	1.69	1.10	12.00	12.40	6.00	6.13	45 A
Tunnell's 3–12–6	Colora	3.00	2.99	2.00	.53	1.00	2.46	.70	12.00	12.40	6.00	6.36	87 A
Tunnell's 2–12–6 Fertilizer	Colora	2.00	2.19	1.33	1.49	.67	.70	.70	12.00	12.50	6.00	6.36	118 A
Tunnell's 2–9–5 Fertilizer	Colora	2.00	2.16	1.33	1.33	.67	.83	.60	9.00	9.80	5.00	5.42	14 A
Tunnell's 2–8–10 Fertilizer	Colora	2.00	2.09	1.33	1.39	.67	.70	.60	8.00	8.70	10.00	11.02	18 B
Tunnell's 0–14–7 Fertilizer	Queen Anne							1.00	14.00	14.20	7.00	7.60	
Superphosphate 0–20–0	Colora							.70	20.00	20.60			
Valliant Fertilizer Co., Laurel, Del,													
Gem 2–8–10		2.00	1.84	1.80	1.63	.20	.21	1.20	8.00	9.30	10.00	10.64	30 B
Jumbo 1–10–5		1.00	1.18	.80	1.00	.20	.18	.90	10.00	10.20	5.00	5.82	83 B
E. S. Valliant & Son, Centreville, Md,													
Oriole 2–12–10	Centreville	2.00	2.12	1.60	1.60	.40	.52	1.30	12.00	12.00	10.00	10.56	7 B
Excelsior 2–12–6	Kennedyville	2.00	2.06	1.60	1.63	.40	.43	.90	12.00	12.30	6.00	6.60	41 B
Excelsior 2–12–6	Centreville	2.00	2.18	1.60	1.70	.40	.48	.90	12.00	12.10	6.00	6.36	97 B

† Not Licensed at time of Sampling.
* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
E. S. Valliant & Son, Centreville, Md. (Cont.)													
Keystone 2–9–5	Centreville	2.00	**2.13**	1.70	**1.88**	.30	**.25**	**.70**	9.00	**9.50**	5.00	**5.04**	104 B
Winner 2–8–10	Centreville	2.00	**2.22**	1.70	**1.91**	.30	**.31**	**.80**	8.00	**8.60**	10.00	**10.24**	88 B
Winner 2–8–10	Kennedyville	2.00	**2.26**	1.70	**1.85**	.30	**.41**	**.60**	8.00	**9.10**	10.00	**10.40**	28 A
Animal Base Brand 1–10–5	Centreville	1.00	**1.02**	.80	**.84**	.20	**.18**	**1.10**	10.00	**9.50**	5.00	**5.82**	213 B
Producer 0–12–10	Centreville							**.80**	12.00	**12.40**	10.00	**11.00**	
Grower 0–10–10	Centreville							**.80**	10.00	**10.10**	10.00	**10.40**	
Harvest 0–12–5	Centreville							**1.10**	12.00	**12.10**	5.00	**5.20**	
Ideal 0–20–6	Centreville							**1.30**	12.00	**11.70**	6.00	**6.21**	
Virginia-Carolina Chemical Corporation, Baltimore, Md.													
V-C. 2–12–6 Fertilizer	Baltimore	2.00	**1.98**	1.50	**1.40**	.50	**.58**	**.80**	12.00	**12.30**	6.00	**6.40**	44 A
V-C. 2–12–4 Fertilizer	Baltimore	2.00	**2.11**	1.50	**1.38**	.50	**.73**	**.60**	12.00	**12.90**	4.00	**4.26**	32 A
V-C. 0–14–6 Fertilizer	Baltimore							**.60**	14.00	**14.20**	6.00	**6.44**	
†V-C. 0–12–12 Fertilizer	Baltimore							**.60**	12.00	**12.40**	12.00	**12.56**	
†V-C. 0–10–10 Fertilizer	Baltimore							**.50**	10.00	**10.70**	10.00	**10.32**	
V-C. 0–10–10 Fertilizer	Denton							**.50**	10.00	**11.40**	10.00	**10.08**	
V-C. 0–12–5 Fertilizer	Baltimore							**.50**	12.00	**13.10**	5.00	**5.30**	
†V-C. 0–12–5 Fertilizer	Denton							**.60**	12.00	**12.20**	5.00	**5.20**	
†V-C. Superphosphate 0–16–0	Denton							**.40**	16.00	**16.40**			
V-C. Superphosphate 0–16–0	Woodsboro							**.40**	16.00	**16.50**			
V-C. Superphosphate 0–16–0	Baltimore							**.40**	16.00	**16.40**			
Harry Weller, Clearspring, Md.													
Big Crop 2–9–5	Marl	2.00	**2.01**	2.00	**1.99**		**.02**	**.50**	9.00	**9.30**	5.00	**5.20**	444 B
Westminster Fertilizer Co., Westminster, Md.													
2–12–6	Westminster	2.00	**2.13**	1.40	**1.71**	.60	**.42**	**.30**	12.00	**11.20**	6.00	**6.21**	25 A
2–9–5	Westminster	2.00	**2.02**	1.40	**1.59**	.60	**.43**	**.40**	9.00	**10.40**	5.00	**6.52**	77 B
Superphosphate 0–16–0	Westminster							**.40**	16.00	**17.30**			

A. S. Woolley Co., Inc., Seaford, Del.													
Woolley's Success 2–9–5		2.00	**2.09**	1.60	**1.77**	.40	**.32**	**.20**	9.00	**10.00**	5.00	**5.51**	269 B
Wm. W. Woolston, Baltimore, Md.													
Top Dresser 10–3–7	Baltimore	10.00	**10.16**	9.60	**9.79**	.40	**.37**	**.20**	3.00	**4.20**	7.00	**5.90**	
The Worcester Fertilizer Co., Snow Hill, Md.													
†Worcester's Correct Plant Food Mixture 4–12–4	Snow Hill	4.00	**3.58**	3.20	**2.74**	.80	**.84**	**.90**	12.00	**12.70**	4.00	**4.19**	213 A
†Worcester Correct Plant Food Mixture 3–8–15	Snow Hill	3.00	**2.88**	2.10	**2.13**	.90	**.75**	**1.50**	8.00	**9.20**	15.00	**14.28**	167 A
†Worcester Correct Plant Food Mixture 2–12–6	Snow Hill	2.00	**2.13**	1.60	**1.49**	.40	**.64**	**1.60**	12.00	**12.10**	6.00	**6.28**	51 A
†Worcester Correct Plant Food Mixture 2–9–5	Snow Hill	2.00	**3.17**	1.60	**2.11**	.40	**1.06**	**1.60**	9.00	**8.80**	5.00	**5.90**	78 A
Worcester's Correct Plant Food Mixture 2-8-10	Snow Hill	2.00	**2.20**	1.40	**1.68**	.60	**.52**	**2.10**	8.00	**8.30**	10.00	**10.52**	2 B
†Worcester's Correct Plant Food Mixture 0–10–10	Snow Hill							**.70**	10.00	**12.50**	10.00	**8.84**	
†Superphosphate 0–20–0	Snow Hill							**.40**	20.00	**21.10**			
Superphosphate 0–16–0	Snow Hill							**.30**	16.00	**18.10**			

† Not Licensed at time of Sampling.

FEED ANALYSES

(A) General Feeds

(B) Dog Feeds

(C) Mineral Mixtures

The results obtained in the chemical and microscopical examination of feeds, dog feeds, and mineral mixtures, are found on pages 42 to 97. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
E. T. Allen Co., Atlanta, Ga.	
Empire 41% Protein Cottonseed Meal	Baltimore
Empire 41% Protein Cottonseed Meal	Frederick
Empire 41% Protein Cottonseed Meal	Baltimore
Empire 41% Protein Cottonseed Meal	Washington Grove
G. A. Allender, Elkton, Md.	
*32% Dairy Feed	Elkton
*32% Dairy Feed	Elkton
24% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Poultry Mash No. 3	Elkton
Allied Mills, Inc., Chicago, Ill.	
*Wayne 32% Dairy Feed	Hampstead
Wayne 32% Dairy Feed	Salisbury
Amco Sucrene 24% Dairy Feed	Bel Air
Wayne 24% Dairy Feed	Sudlersville
Wayne 24% Dairy Feed	Cumberland
Sugarine 20% Dairy Feed	Salisbury
Sugarine 16½% Dairy Feed	Maugansville
Wayne Egg & Breeder Mash	Maugansville
Red Feather Egg Mash, with Fortified Sardine Oil	Salisbury
Wayne Egg & Breeder Mash, with Fortified Sardine Oil	Cumberland
Red Feather Growing Mash, with Fortified Sardine Oil	Federalsburg
Amco Growing Mash, with Fortified Sardine Oil	Bel Air
Amco 26% Mash Supplement, with Fortified Sardine Oil	Bel Air
Wayne Flushing Mash	Federalsburg
Amco Flushing Mash	Bel Air
Wayne Finishing Feed (For Broilers)	Cumberland
Empire Hog Supplement	Maugansville
Wayne Hog Supplement	Maugansville
Amco Pork Producer	Bel Air
Amco Calf Meal	Bel Air
‡Wayne Turkey Mash Concentrate	Maugansville
Wayne Turkey Growing Mash, with Fortified Sardine Oil	Salisbury
Wayne Turkey Growing Mash, with Fortified Sardine Oil	Maugansville
*‡Amco Turkey Growing Mash, with Fortified Sardine Oil	Bel Air
American Butter Co., Kansas City, Mo.	
Dried Greens–Buttermilk	Derwood
American Maize Products Co., New York, N. Y.	
Amaizo Gluten Meal	Hagerstown
Amaizo Gluten Meal	Baltimore
Cream of Corn Gluten Feed	Germantown
American Stores Co., Philadelphia, Pa.	
*Farmdale Laying Mash	Frostburg
Farmdale Laying Mash	Baltimore
Farmdale Growing Mash	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.55	41.00	41.07	5.50	6.42	13.00	10.50	6.45	29.01	As declared on label
6.35	41.00	40.37	5.50	6.38	13.00	11.36	5.45	30.09	" "
7.46	41.00	42.82	5.50	5.68	13.00	11.86	5.55	26.63	" "
7.62	41.00	41.33	5.50	5.54	13.00	10.73	6.76	28.02	" "
9.95	32.00	27.87	4.00	4.92	9.00	9.44	9.50	38.32	" "
9.52	32.00	28.92	4.00	4.84	9.00	9.99	9.49	37.24	" "
9.44	24.00	24.84	4.00	4.45	11.00	12.09	6.51	42.67	" "
9.78	20.00	21.15	4.00	4.63	9.00	7.05	8.85	48.54	" "
7.66	17.50	18.78	4.00	4.81	8.00	8.14	7.96	52.65	" "
9.47	32.00	32.02	4.00	3.46	9.00	6.26	10.67	38.12	" "
8.79	32.00	34.06	4.00	3.99	9.00	6.63	9.85	36.68	" "
10.70	24.00	23.06	3.50	3.69	12.00	8.70	8.46	45.39	" "
9.32	24.00	26.28	4.00	4.04	9.00	7.81	8.11	44.44	" "
8.45	24.00	26.31	4.00	3.96	9.00	7.26	9.15	44.87	" "
9.84	20.00	22.16	3.50	3.71	12.00	8.71	7.73	47.85	" "
8.96	16.50	20.56	3.00	3.54	12.00	8.75	8.35	49.84	" "
9.49	20.00	21.41	3.50	4.04	8.00	6.19	8.60	50.27	" "
9.49	18.00	17.99	3.50	4.59	8.00	7.13	9.75	51.05	" "
8.18	20.00	20.71	3.50	3.60	8.00	6.99	8.85	51.67	" "
9.69	15.50	16.76	3.50	5.69	7.00	6.34	8.30	53.22	" "
8.99	17.00	19.04	3.50	4.23	7.00	6.16	7.76	53.82	" "
8.97	26.00	29.31	3.50	4.83	10.00	8.99	13.16	34.74	" "
9.47	20.00	22.11	3.00	4.02	6.00	4.90	9.95	49.55	" "
8.55	20.00	22.29	3.00	3.49	6.00	4.61	10.56	50.50	" "
9.62	16.00	17.11	3.50	3.64	7.00	6.54	6.55	56.54	" "
7.45	40.00	40.10	4.00	5.05	7.00	6.52	12.91	27.97	" "
7.15	40.00	41.36	4.50	5.37	7.00	6.28	12.72	27.12	" "
10.07	14.00	16.33	3.50	3.52	7.00	5.91	7.98	56.19	" "
9.51	24.00	25.62	4.00	4.31	7.00	6.15	9.30	45.11	" "
7.47	33.00	33.87	4.00	4.82	8.00	6.14	14.10	33.60	" "
12.37	20.00	20.18	3.50	4.95	8.00	6.20	9.15	47.15	" "
9.74	20.00	20.27	3.50	5.07	8.00	6.48	9.60	48.84	" "
8.38	20.00	18.87	3.50	5.39	8.00	6.19	8.12	53.05	" "
7.31	25.00	26.24	4.00	4.58	15.00	11.11	12.74	38.02	" "
6.20	41.00	42.56	1.00	1.78	4.00	5.71	2.75	41.00	" "
8.28	41.00	41.42	1.00	1.74	4.00	5.69	2.85	40.02	" "
7.35	25.00	26.76	2.00	2.37	8.50	7.57	7.18	48.77	" "
7.48	20.00	21.50	5.00	4.42	7.00	7.51	8.05	51.04	" "
8.87	20.00	20.97	5.00	4.71	7.00	7.67	7.00	50.78	" "
7.22	17.00	18.78	4.00	4.34	6.50	7.64	7.95	54.07	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Stores Co., Philadelphia, Pa. (Continued)	
Farmdale Starting & Growing Mash	Baltimore
Farmdale Chick Grains	Baltimore
Farmdale Scratch Grains	Baltimore
Anderson Grain & Feed Co., York, Pa.	
Anderson 24% Dairy Feed	Upper Marlboro
Anderson 20% Dairy Feed	Upper Marlboro
Anderson 16% Dairy Feed	Upper Marlboro
Anheuser-Busch, Inc., St. Louis, Mo.	
Anheusch-Busch Brand Corn Gluten Feed	Baltimore
Anne Arundel County Farmers' Association, Baltimore, Md.	
†Anarco 26% Dairy Feed	Baltimore
Anarco Egg Mash	Baltimore
Anarco Broiler Mash	Baltimore
Anarco 21% Hog Feed	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
‡Arcady 32% Dairy Feed	Unionville
Peerless Milk Ration	Unionville
Arcady Sweet 16% Dairy Feed	Unionville
Provo 16% Dairy Feed	Unionville
Arcady Laying Mash	Baltimore
‡Arcady Sweet Mixing Feed	Unionville
‡Wonder Fattening Mash	Baltimore
Wonderfat Station Feed	Baltimore
‡Arcady Horse & Mule Feed	Baltimore
‡Sunkist 40% Hog Supplement	Unionville
‡Wonder 18% Hog Feed	Unionville
‡Arcady Hog Grower	Unionville
‡Arcady–Wonder Calf Meal	Baltimore
Archer-Daniels-Midland Co., Minneapolis, Minn.	
41% Protein O. P. Soybean Oil Meal	Hagerstown
Ashcraft-Wilkinson Co., Atlanta, Ga.	
Cow-Eta Brand 41% Prime Quality Cottonseed Meal	Baltimore
Atkinson Milling Co., Minneapolis, Minn.	
Atkinson's Wheat Standard Middlings	Baltimore
The Atlantic Supply Co., Baltimore, Md.	
*Atlantic 50% Meat Scrap	Westminster
*Atlantic 50% Meat Scrap	Baltimore
*58% Fish Meal	New Windsor
58% Fish Meal	Westminster
Atlantic 55% Fish Meal	Medford

† Deficient in both protein and fat.
‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.84	16.00	15.07	4.00	4.37	5.00	4.96	7.55	59.21	As declared on label
11.07	10.00	10.39	3.00	3.23	3.00	1.82	1.90	71.59	" "
10.40	10.00	10.30	2.50	2.60	4.00	3.10	1.40	72.20	" "
8.01	24.00	26.70	4.00	4.93	12.00	8.94	9.06	42.36	" "
8.24	20.00	21.50	4.00	4.68	12.00	8.94	8.51	48.13	" "
8.64	16.00	18.39	3.50	4.51	12.00	10.53	7.96	49.97	" "
8.50	25.00	28.17	2.00	2.03	8.50	6.45	2.45	52.40	" "
9.82	26.00	24.97	5.00	4.31	9.00	10.36	9.60	40.94	A.
8.74	22.00	22.46	5.00	4.51	8.00	5.09	12.10	47.10	As declared on label
11.59	19.00	19.22	4.00	4.67	9.00	7.47	10.95	46.10	" "
11.65	21.00	21.76	5.00	4.62	9.00	8.52	10.10	43.35	" "
10.38	32.00	32.20	4.00	4.82	9.00	8.01	10.68	33.91	" "
12.36	20.00	20.05	3.00	3.79	12.00	10.63	12.56	40.61	" "
9.77	16.00	16.12	3.50	3.52	12.50	10.53	15.24	44.82	" "
9.44	16.00	17.97	3.00	3.75	13.50	11.58	12.51	44.75	" "
8.25	20.00	20.90	4.00	4.20	7.00	6.55	10.30	50.61	" "
9.05	9.00	9.25	1.50	4.55	15.00	10.86	14.83	51.46	" "
8.28	12.50	14.22	4.00	5.49	7.00	7.31	7.40	57.30	" "
8.78	12.50	14.57	4.50	6.64	6.00	7.04	5.15	57.82	" "
10.58	9.00	9.28	2.00	2.78	14.00	11.90	7.74	57.72	" "
7.51	40.00	40.52	4.00	3.82	8.00	6.05	10.71	31.39	" "
8.15	18.00	19.54	3.50	4.59	8.00	7.32	10.74	49.66	" "
7.32	15.00	15.54	3.50	4.16	9.00	6.95	8.10	57.93	" "
9.75	25.00	26.24	4.00	4.25	5.00	5.89	5.55	48.32	" "
9.61	41.00	43.00	4.00	4.30	7.00	5.97	6.35	30.77	" "
8.10	41.00	41.68	5.00	5.91	13.00	11.52	6.10	26.69	" "
10.20	15.00	19.74	4.00	4.72	9.50	8.37	5.75	51.22	" "
5.64	50.00	44.00	6.00	8.50	3.00	1.12	40.55	.19	" "
6.99	50.00	44.14	6.00	9.50	3.00	1.17	38.00	.20	" "
7.18	58.00	56.65	6.00	10.76	2.00	.75	24.15	.51	" "
6.62	58.00	58.01	6.00	7.57	2.00	.97	22.60	4.23	" "
8.28	55.00	58.36	6.00	6.21	2.00	.64	22.55	3.96	" "

A—Ingredient on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. Fish Meal	Baltimore
BBL. 24% Dairy Feed	Baltimore
BBL. 20% Dairy Feed	Baltimore
BBL. 16% Dairy Feed	Baltimore
BBL. Quality Egg Maker Laying Mash	Baltimore
BBL. Egg Mash	Baltimore
BBL. Cod Mlk O Gro	Baltimore
*BBL. Broiler Mash	Baltimore
BBL. Breeder Mash (Cod Mlk O Lay)	Baltimore
BBL. Hog Feed	Baltimore
‡Lauterbach Special Racing Pigeon Feed	Elkton
Turkey Growing Mash	Baltimore
*BBL. Turkey Starter & Grower	Baltimore
Baugh & Sons Co., Baltimore, Md.	
*Duplex Egg Producer Pure Meat Scrap	Pocomoke City
Duplex Egg Producer Pure Meat Scrap	Sykesville
*Duplex Egg Producer Pure Meat Scrap	Princess Anne
Baugh's Oldest Brand Meat & Bone Scrap	Princess Anne
Baugh's Oldest Brand Meat & Bone Scrap	Pocomoke City
*Baugh's Oldest Brand Meat & Bone Scrap	Princess Anne
Baugh's 58% Fish Meal	Keymar
Baugh's 58% Fish Meal	St. Michaels
Baugh's 58% Fish Meal	Detour
Baugh's 60% Digester Tankage	Princess Anne
Baugh's No. 1 Laying Mash	Salisbury
Baugh's No. 1 Growing Mash	Salisbury
‡No. 1 Fine Ground Alfalfa Meal	Salisbury
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon Sweet "24"	Berwyn
Beacon "22" Egg Mash, with BM	Hampstead
Beacon "22" Egg Mash, with BM	Princess Anne
Beacon Battery Laying Ration	Berwyn
Beacon "18" Growing Mash	Princess Anne
Beacon "16" Growing Mash	Ellicott City
Beacon Battery Growing Ration	Berwyn
Beacon Breeder Mash, with BM	Berwyn
Beacon Battery Broiler Feed	Berwyn
Beacon Complete Starting Ration	Berwyn
Beacon C-C Pellets	Ellicott City
Beacon Fleshing Pellets	Ellicott City
Beacon Fleshing Pellets	Hampstead
Beacon Hog Feed	Ellicott City
Beacon Calf Pellets	Ellicott City
Beacon Special Scratch Grains	Berwyn
Beacon Turkey Growing Feed	Ellicott City
Beacon Turkey Growing Feed	Princess Anne
‡Beacon Turkey Growing Feed	Hagerstown
Beacon Turkey Starter	Princess Anne

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.52	55.00	56.42	6.00	8.68	2.00	.61	22.95	4.82	As declared on label
9.15	24.00	23.82	4.25	5.21	10.00	9.72	10.24	41.86	A.
9.35	20.00	21.17	4.00	4.53	12.00	11.13	10.22	43.60	As declared on label
9.99	16.00	16.79	3.75	3.76	12.50	11.16	10.21	48.09	" "
10.03	20.00	20.01	4.50	5.25	7.00	7.28	9.30	48.13	" "
10.21	20.00	21.50	4.00	4.65	8.00	7.75	9.20	46.69	" "
11.41	18.00	18.60	4.00	3.73	6.00	5.72	8.80	51.74	" "
10.60	18.00	19.83	4.00	3.44	6.00	6.26	8.05	51.82	" "
11.72	20.00	20.80	4.50	4.24	7.00	6.52	10.60	46.12	" "
12.97	18.00	18.60	4.00	4.48	8.00	7.67	8.10	48.18	" "
9.70	17.50	18.01	3.00	3.60	5.00	3.50	3.70	61.49	" "
8.89	20.00	20.36	4.00	4.48	7.00	9.87	8.85	47.55	" "
10.34	21.00	22.20	5.00	3.83	8 00	11.05	11.95	40.63	B.
6.76	55.00	53.79	6.00	9.74	3.00	2.17	27.40	.14	As declared on label
6.71	55.00	55.90	6.00	9.16	3.00	1.85	25.70	.68	" "
5.41	55.00	53.66	6.00	10.25	3.00	2.04	28.60	.04	" "
7.45	50.00	49.14	6.00	8.21	3.00	1.46	33.10	.64	" "
6.68	50.00	50.20	6.00	9.27	3.00	1.77	31.60	.48	" "
5.41	50.00	48.31	6.00	12.10	3.00	1.85	31.60	.73	" "
5.18	58.00	59.23	5.00	9.13	3.00	.51	21.20	4.75	" "
6.72	58.00	60.38	5.00	5.85	3.00	1.73	21.15	4.17	" "
6.87	58.00	59.32	5.00	7.29	3.00	.79	19.10	6.63	" "
6.59	60.00	60.29	5.00	4.74	3.00	3.53	16.85	8.00	" "
8.39	20.00	19.66	4.00	4.76	7.00	6.72	9.75	50.72	" "
9.36	17.00	17.55	4.00	4.52	7.00	6.89	7.70	53.98	" "
8.19	13.00	13.16	1.00	1.19	33.00	34.77	7.35	35.34	" "
9.57	24.00	23.76	4.00	3.97	9.00	6.79	10.23	45.68	" "
7.56	22.00	22.82	4.50	5.29	7.50	6.62	12.35	45.36	" "
8.97	22.00	23.52	4.50	5.67	7.50	6.03	10.70	45.11	" "
8.22	16.00	16.15	4.00	4.58	7.75	6.87	8.64	55.54	" "
8.53	18.00	18.69	4.00	4.81	7.50	7.25	11.40	49.32	" "
8.73	16.00	17.20	4.00	5.16	7.50	7.19	9.60	52.12	" "
9.51	14.00	16.41	4.00	4.56	7.50	7.10	7.32	55.10	" "
8.38	20.00	20.27	4.00	5.89	7.50	6.40	12.56	46.50	" "
10.05	17.00	17.55	4.00	5.66	6.00	4.93	7.90	53.91	" "
8.73	17.50	18.95	4.00	4.54	6.00	5.09	8.72	53.97	" "
7.95	18.00	19.92	1.00	6.50	5.00	4.23	5.90	55.50	C.
7.88	15.00	17.11	3.50	4.24	7.50	6.84	6.00	57.93	As declared on label
7.62	15.00	17.11	3.50	4.33	7.50	7.39	6.05	57.50	" "
8.87	18.00	18.95	4.00	4.61	7.00	5.84	7.30	54.43	" "
9.27	24.00	25.10	3.00	3.24	4.00	3.68	6.55	52.16	C.
11.07	9.00	10.03	2.00	2.48	5.00	1.90	1.72	72.80	As declared on label
8.75	20.00	21.06	4.00	4.60	7.00	6.24	8.85	50.50	" "
9.21	20.00	21.32	4.00	4.43	7.00	6.76	9.75	48.53	" "
9.46	20.00	22.38	4.00	4.81	7.00	6.68	8.45	48.22	" "
8.40	24.00	24.31	4.00	5.63	6.00	4.89	11.40	45.37	" "

A—Ingredients on label differ from license.
B—Fibre guarantee and ingredients on label differ from license.
C—Feed is in Mash form and not Pelleted.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Beacon Milling Co., Inc., Cayuga, N, Y., (Continued)	
Beacon Turkey Fitting Ration	Ellicott City
Beacon Turkey Fitting Ration	Princess Anne
Beacon Goat Ration	Berwyn
J. P. Bennett & Son, Mardela Springs, Md.	
Bennett's Best Laying Mash	Mardela Springs
Bennett's Best Developing Ration	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B. F. S. Laying Mash	Berlin
B. F. S. Growing Mash	Berlin
Berlin Milling Co., Inc., Berlin, Md.	
Economy Laying Mash	Salisbury
Econony Growing Mash	Salisbury
Economy Starter & Broiler Mash	Berlin
Berlin Milling Co., Inc., Salisbury, Md.	
Economy Hog Feed	Salisbury
The Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County 32% Dairy Feed	Providence
Cecil County Laying Mash	Providence
Cecil County Starting & Growing Mash	Providence
Cecil County Turkey Grower	Providence
Binger Brothers, Upper Marlboro, Md.	
Red Star Laying Mash, with BM	Beltsville
Red Star Growing Mash, with BM	Beltsville
Red Star Breeder Mash	Upper Marlboro
Red Star Starter-Grower Mash	Upper Marlboro
Red Star Chic-A	Upper Marlboro
Red Star Pig Meal	Beltsville
Bisbee Linseed Co., Philadelphia, Pa.	
Bisbee Brand 34% Protein O. P. Linseed Meal	Frederick
Blamberg Brothers, Baltimore, Md.	
‡Cornell Brand Pigeon Feed	Elkton
Blish Milling Co., Seymour, Ind.	
‡Woodstock Pure Bran	Princess Anne
‡Woodstock Shorts	Princess Anne
The Borden Co., Special Products Division, New York, N. Y.	
Flaydry-Lactoflavin Supplement	Frederick
Flaydry-Lactoflavin Supplement	Pocomoke City
Flaydry-Lactoflavin Supplement, with 40	Pocomoke City
‡Dried Whey	Pocomoke City

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.27	10.00	11.85	3.00	3.37	9.00	7.03	3.89	63.59	As declared on label
10.24	10.00	11.44	3.00	3.09	9.00	7.38	4.03	63.82	" "
9.60	16.00	18.14	4.00	4.05	10.00	8.75	7.72	51.74	" "
9.87	20.00	20.53	4.00	4.59	9.00	7.03	12.05	45.93	" "
10.07	16.00	17.99	4.00	4.34	8.00	10.10	8.60	48.90	" "
10.02	16.00	18.25	4.00	4.46	10.00	7.84	11.30	48.14	" "
9.02	19.00	19.39	4.00	4.72	7.00	6.85	10.85	49.17	" "
8.88	17.00	17.81	4.00	4.55	7.00	5.95	12.00	50.81	" "
8.03	19.00	19.04	5.00	5.15	6.50	8.09	11.30	48.39	A.
8.85	15.00	17.64	4.50	4.39	5.00	7.90	8.90	52.32	B.
9.39	18.00	18.25	4.50	4.09	5.00	5.77	8.35	54.14	As declared on label
9.49	16.00	17.02	4.50	4.28	9.50	8.65	8.30	52.26	" "
8.25	32.00	32.91	4.00	4.77	9.50	8.09	8.74	37.24	As declared on label
8.47	20.00	21.15	4.00	4.55	6.50	5.86	12.50	47.47	" "
8.77	17.00	18.08	4.00	4.08	6.50	5.28	9.16	54.63	" "
9.42	20.00	20.88	4.50	5.23	7.00	6.54	8.85	49.08	" " C.
8.61	20.00	20.27	4.50	4.86	7.00	6.40	12.36	47.50	As declared on label
9.81	16.00	17.29	4.00	5.06	7.00	5.58	9.65	52.61	" "
8.89	20.00	19.83	5.00	4.62	7.00	5.31	9.98	51.37	" "
9.90	17.50	17.90	5.00	4.63	7.00	5.49	7.92	54.16	" "
9.77	15.00	16.67	4.00	4.44	5.00	4.87	8.14	56.11	" "
8.59	16.00	17.64	4.00	4.81	7.00	8.77	11.50	48.69	" "
9.73	34.00	36.59	5.00	5.69	10.00	8.19	5.85	33.95	" " D.
11.96	13.00	13.45	3.00	3.88	4.00	2.45	2.03	66.23	" " E.
8.32	14.00	15.62	2.50	4.24	10.00	10.81	4.30	56.71	" "
9.23	14.75	15.62	3.75	4.10	4.50	5.46	7.15	58.44	" "
7.80	22.00	34.84	.50	2.40	3.75	3.60	9.55	41.81	" "
7.76	22.00	34.92	.50	2.52	3.75	3.70	10.00	41.10	" "
8.24	22.00	33.96	.50	.83	3.75	3.68	8.65	44.64	" "
.....	11.00	15.09	.50	X.91	.....	.....	20.12	.....	" "

A—Ingredients on label differ from license—also detected Charcoal.
B—Ingredients on label differ from license.
C—Protein guarantee on label differs from license.
D—Acid Insoluble Ash 0.42%.
E—Fibre guaranteed on label differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bowman Brothers, Gaithersburg, Md.	
*Gilt Edge Dairy Feed	Gaithersburg
Gilt Edge Laying Mash	Gaithersburg
Gilt Edge Hog Feed	Gaithersburg
Bradley & Baker, Baltimore, Md.	
50% Meat & Bone Scrap	Hampstead
45% Meat & Bone Scrap	Reisterstown
Bradbake Pure Fish Meal	Reisterstown
Bradbake Pure Fish Meal	Chestertown
Bradbake Pure Fish Meal	Baltimore
Bradbake Pure Fish Meal	Germantown
C. H. Braun & Sons, Inc., Baltimore, Md.	
Encore Brand 55% Meat Scrap	Baltimore
*Encore Brand 50% Meat & Bone Scrap	Baltimore
Encore Brand 50% Meat & Bone Scrap	Baltimore
Encore Brand 50% Meat & Bone Scrap	Chestertown
Encore Brand 50% Meat & Bone Scrap	Owings Mills
Encore Brand 45% Meat & Bone Scrap	Hagerstown
Encore Brand 45% Meat & Bone Scrap	Hagerstown
Encore Brand 60% Digester Tankage	Baltimore
Encore Brand 60% Digester Tankage	Hagerstown
*Encore Brand 60% Digester Tankage	Baltimore
P. M. Brooks, Chestertown, Md.	
Rose Bud Laying Mash	Chestertown
Rose Bud Sunshine Turkey Grower	Chestertown
*Rose Bud Sunshine Turkey Starter Mash	Chesterwton
Brooks Supply Co., Reisterstown, Md.	
Brooks Special Laying Mash	Reisterstown
Herbert Bryant Inc., Alexandria, Va.	
*50% Protein Meat & Bone Scrap for Poultry	Washington Grove
"HB" 32% Dairy Feed	Washington Grove
16% Prizewinner Dairy Feed (with Molasses)	Washington Grove
"HB" New Deal Laying Mash	Washington Grove
"HB" Laying Mash	Washington Grove
"HB" Broiler Mash	Washington Grove
"HB" Pig & Hog Feed	Washington Grove
"HB" Turkey Starter & Grower	Washington Grove
The Buckeye Cotton Oil Co., Cincinnati, Ohio	
Buckeye 41% Protein Cottonseed Meal, Prime Quality	Gaithersburg
Buckeye 41% Protein Soybean Oil Meal	Frederick
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Dried Skim Milk	Pocomoke City

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.61	26.00	27.38	5.00	3.97	9.00	8.48	8.20	43.36	As declared on label
8.51	19.00	18.74	5.00	4.57	6.00	5.80	10.00	52.38	" "
8.91	19.00	18.65	3.00	5.74	8.00	4.89	11.10	50.71	" "
5.90	50.00	49.14	6.00	13.25	3.00	2.10	29.30	.31	" "
5.05	45.00	47.12	6.00	13.31	3.00	2.20	29.90	2.42	" "
6.86	58.00	58.88	6.00	9.73	3.00	.72	20.35	3.46	" "
6.93	58.00	59.32	6.00	6.72	3.00	.79	20.30	5.94	" "
7.17	58.00	60.29	6.00	5.95	3.00	.28	20.90	5.41	" "
7.53	58.00	61.08	6.00	7.19	3.00	.34	18.74	5.12	" "
6.22	55.00	56.34	6.00	13.24	3.00	1.76	21.95	.49	" "
5.45	50.00	48.97	6.00	12.92	3.00	2.21	28.45	2.00	" "
6.59	50.00	52.30	6.00	12.19	3.00	2.08	25.25	1.59	" "
6.55	50.00	52.48	6.00	11.41	3.00	2.53	26.15	.88	" "
6.82	50.00	52.04	6.00	10.32	3.00	2.57	24.95	3.30	" "
5.40	45.00	48.18	6.00	13.39	3.00	2.26	27.15	3.62	" "
6.44	45.00	48.27	6.00	13.59	3.00	2.33	26.05	3.32	" "
7.74	60.00	62.66	6.00	6.07	3.00	1.71	17.35	4.47	" "
5.45	60.00	62.48	6.00	8.53	3.00	1.96	17.95	3.63	" "
9.79	60.00	64.50	6.00	5.29	3.00	1.79	15.35	3.28	" "
8.03	19.00	21.50	5.50	5.76	7.00	5.28	14.05	45.38	" "
8.78	20.00	20.01	5.00	5.18	6.00	6.17	7.95	51.91	" "
8.09	26.00	24.92	5.00	5.78	6.00	4.67	10.25	46.29	" "
8.72	18.00	18.60	4.00	4.25	7.00	6.97	10.42	51.04	" "
8.91	50.00	49.84	10.00	7.82	2.00	1.44	34.30	.....	" "
8.03	32.00	33.17	4.00	5.72	9.00	10.79	8.70	33.59	" "
11.19	16.00	17.43	2.00	2.88	15.00	15.19	8.57	44.74	" "
9.85	18.00	18.60	4.50	4.84	7.00	7.75	9.90	49.07	" "
9.45	19.00	18.74	5.00	4.63	6.50	6.10	9.16	51.92	" "
9.76	20.00	19.27	4.50	5.23	7.00	6.87	7.80	51.07	" "
8.98	16.00	17.38	5.00	5.17	6.00	6.48	6.20	55.79	" "
9.22	22.00	22.03	5.00	5.47	5.00	4.55	10.10	48.63	" "
5.44	41.00	43.00	5.00	6.84	13.00	10.29	6.50	27.93	" "
6.96	41.00	46.86	4.50	5.08	7.00	5.55	5.85	29.70	" "
.....	32.00	34.71	.50	X1.15	.....	.....	8.45	.....	" "

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Cambridge Manufacturing Co., Cambridge, Md.	
Gets 'Em Laying Mash	Cambridge
Moore's Laying Mash	Cambridge
New-Vim Super Laying Mash	Cambridge
New-Vim Special Growing Mash	Cambridge
Broiler Mash	Cambridge
New Vim Hog Feed	Cambridge
Super Chick Starter	Cambridge
New Vim Turkey Grower Special	Cambridge
New Vim Turkey Starter	Cambridge
Capital Flour Mills, Inc., Minneapolis, Minn.	
‡Pure Mid-Dog Middlings	Union Bridge
The A. B. Caple Co., Toledo, Ohio	
‡Capex Dehydrated Alfalfa Meal	Westminster
Alfalfa Meal	Westminster
Edmund L. Carr, Manchester, Md.	
Maple Grove Laying Mash	Manchester
Carrollton Roller Mills, Union Bridge, Md.	
Carrollton Dairy Feed	Union Bridge
Carrollton Laying Mash	Union Bridge
Carter & Yates Milling Co., Centreville, Md.	
Economy Laying Mash	Centreville
Red Star Laying Mash	Centreville
*Economy Pig Meal	Centreville
Red Star Starter & Grower	Centreville
Red Star Turkey Mash	Centreville
The Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash 20%, with DBM	Rising Sun
Rising Sun Brand All Mash Grower	Rising Sun
Chestnut Farms Chevy Chase Dairy, Washington, D. C.	
Skim Milk Powder	Derwood
Chewsville Cooperative Association, Chewsville, Md.	
Thrivont Milk Maker	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Protein-Mineral Supplement for Hogs	Chewsville
*Thrivont Pig & Hog Meal	Chewsville
Edna M. Clipp, Sharpsburg, Md.	
*Clipp's Egg Mash	Sharpsburg
Herbert K. Clofine, Philadelphia, Pa.	
‡Supreme Brand Dried Buttermilk	Cambridge
Supreme Brand Dried Skim Milk	Berlin

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.79	20.00	20.36	5.00	4.92	7.00	7.25	12.20	46.48	As declared on label
7.94	20.00	19.66	5.00	5.55	5.00	5.56	11.80	49.49	" "
8.11	20.00	20.71	5.00	6.04	7.00	5.22	12.40	47.52	" "
9.70	16.00	16.50	4.00	5.53	6.00	4.59	8.80	54.88	" "
8.34	17.00	16.32	4.00	4.94	5.00	3.57	8.15	58.68	" "
8.25	16.00	17.20	4.50	4.84	9.00	7.62	7.40	54.69	A.
9.58	14.00	16.06	4.00	4.64	5.50	3.45	8.00	58.27	As declared on label
8.36	20.00	21.50	5.00	5.17	9.00	6.40	12.75	45.82	" "
8.72	20.00	19.92	4.00	5.07	5.00	3.32	11.00	51.97	" "
10.17	16.00	17.02	3.00	3.64	4.00	3.82	4.35	61.00	" "
6.29	14.00	16.15	1.50	2.21	31.00	29.43	8.40	37.52	" "
7.45	13.00	15.18	1.00	1.01	33.00	35.29	7.95	33.12	" "
8.14	20.00	20.53	4.00	5.01	6.50	6.25	12.15	47.92	B.
9.52	17.00	18.08	4.00	4.35	10.00	8.66	4.15	55.24	As declared on label
9.30	17.50	17.11	4.00	4.30	7.00	5.79	10.65	52.85	" "
8.97	16.00	17.99	3.50	3.85	8.00	8.42	8.20	52.57	" "
8.62	20.00	20.71	4.00	5.11	8.00	7.25	9.85	48.46	" "
11.01	14.00	15.45	3.50	2.45	8.00	7.99	4.40	58.70	" "
8.87	16.00	18.52	4.00	4.43	5.00	6.83	6.45	54.90	" "
8.62	18.00	20.88	4.00	4.85	10.00	9.93	7.55	48.17	" "
9.98	16.00	17.35	3.50	3.54	12.00	8.30	6.91	53.92	" "
7.55	20.00	20.36	4.50	4.59	5.00	5.05	10.60	51.85	" "
8.18	16.00	16.58	4.00	4.16	6.00	6.24	8.70	56.14	" "
.....	32.00	34.66	.75	X.99	.....	.....	7.60	.....	" "
8.47	24.00	27.38	4.50	4.23	10.00	9.97	9.25	40.70	C.
9.18	19.00	20.62	5.00	4.78	8.00	5.18	9.25	50.99	As declared on label
7.62	35.00	40.37	4.00	5.21	9.50	6.56	23.00	17.24	D.
10.13	17.00	17.46	4.50	3.99	6.50	5.48	7.25	55.69	B.
9.87	20.00	21.50	4.50	3.66	6.00	5.64	6.95	52.38	As declared on label
.....	32.00	31.24	5.00	X4.92	.....	.....	15.90	.....	" "
.....	32.00	33.52	.25	X.31	.....	.....	8.20	.....	" "

A—No information on label.
B—Ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.
C—Unable to detect Linseed Oil Meal.
D—Ingredients on label differ from license, Unable to detect Linseed Oil Meal—also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. Henry Clusman & Co., Baltimore, Md.	
Reliance 24% Dairy	Baltimore
Reliance Laying Mash	Baltimore
King's Brood Mare Milk Producer	Baltimore
Reliance Pig & Hog Feed	Baltimore
Reliance Chick Grains	Baltimore
Reliance Developing Grains	Baltimore
The Cohn & Bock Co., Princess Anne, Md.	
C & B. Laying Mash, with 4% Dried Milk	Princess Anne
C & B. Growing Mash, with 4% Dried Milk	Princess Anne
C & B. Growing Mash, with 4% Dried Milk	Princess Anne
C & B. Broiler Ration, with 5% Dried Milk	Princess Anne
C & B. Pig & Hog Meal	Princess Anne
The G. E. Conkey Co., Cleveland, Ohio	
Conkeys Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkeys Y-O (Brand) Egg Mash	Hagerstown
‡Conkeys Y-O (Brand) All Mash Chick Ration	Hagerstown
Conkeys Y-O (Brand) Turkey Developer	Hagerstown
L. A. Conner, Newark, Md.	
*Made Well Laying Mash	Newark
Made Well Starter & Broiler Mash	Newark
Consolidated By-Product Co., Philadelphia, Pa.	
45% Consolidated Beef & Bone Scrap	Berlin
*‡Consolidated Fish Meal	Berlin
Consolidated Products Co., Danville, Ill.	
Semi-Solid Buttermilk Flakes	Baltimore
The Continental Milling & Feed Co., Ellicott City, Md.	
Milk-A-Lot Dairy Feed 32%	Ellicott City
*Maryland Maide Dairy Feed 24%	Ellicott City
*Polka Dot Dairy Feed 24%	Ellicott City
*Continental Laying Mash	Ellicott City
Polka Dot Laying Mash	Ellicott City
Polka Dot All Mash Laying Ration	Ellicott City
Polka Dot All Mash Broiler Ration	Ellicott City
Polka Dot Pig Meal	Ellicott City
Polka Dot Hog Meal	Ellicott City
Polka Dot Turkey Growing Mash	Ellicott City
*Polka Dot Turkey Starting Mash	Ellicott City
D. P. Darne, Barnesville, Md.	
Darne's 32% Dairy Feed	Barnesville
Darne's Laying Mash, with Pan-A-Min	Barnesville
Darne's Laying Mash, with Pan-A-Min	Barnesville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.32	24.00	26.84	3.00	4.10	10.00	9.24	9.93	41.57	As declared on label
8.98	20.00	20.88	4.50	4.42	8.00	6.84	11.25	47.63	" "
10.04	17.00	17.94	3.00	3.32	13.00	9.97	7.92	50.81	" "
9.42	16.50	17.20	3.50	3.44	7.50	8.02	8.35	53.57	" "
11.03	9.00	10.27	2.00	2.83	5.00	1.92	1.49	72.46	" "
10.11	9.00	9.60	2.00	2.65	5.00	2.88	1.97	72.79	" "
7.89	20.00	21.67	4.50	5.41	6.00	5.49	11.15	48.39	" "
9.37	16.00	18.60	4.50	4.44	6.00	4.87	7.95	54.77	" "
9.42	16.00	17.90	4.50	4.82	6.00	5.18	8.75	53.93	" "
9.77	18.00	18.87	3.50	4.77	6.00	5.73	9.60	51.26	" "
8.61	16.00	16.67	4.00	4.99	5.00	4.72	7.15	57.86	" "
7.83	32.00	34.66	4.00	5.55	8.00	5.85	13.85	32.26	" "
9.25	20.00	21.76	4.00	4.98	8.00	11.59	9.05	43.37	" "
9.66	16.00	15.97	4.00	4.09	7.00	4.98	5.00	60.30	" "
8.93	20.00	20.01	4.50	5.02	8.00	5.96	8.25	51.83	" "
9.98	19.00	19.13	5.00	3.86	6.00	7.23	10.35	49.45	A.
8.00	17.00	19.39	5.00	4.59	6.00	7.40	9.85	51.77	As declared on label
8.75	45.00	47.83	7.00	8.49	3.00	1.30	30.45	3.18	" "
7.27	55.00	63.36	8.00	5.39	2.00	.23	16.35	7.40	" "
.....	30.00	32.91	5.50	X6.01	.....	.....	14.00	.....	" "
8.65	32.00	31.86	4.00	4.50	10.00	8.48	9.77	36.74	" "
9.70	24.00	22.53	4.00	4.14	9.50	8.01	7.70	47.92	" "
9.68	24.00	22.65	4.00	4.58	10.00	8.66	7.97	46.46	" "
7.85	20.00	20.27	5.00	4.15	6.00	6.71	9.45	51.57	B.
7.87	20.00	20.71	4.50	4.41	7.00	7.15	9.20	50.66	A.
7.56	16.00	17.11	4.00	3.79	7.00	7.40	8.50	55.64	As declared on label
8.29	16.00	18.08	4.00	4.12	6.00	6.30	9.05	54.16	" "
7.99	18.00	17.99	4.00	3.94	7.00	7.00	8.15	54.93	" "
9.81	20.00	19.84	4.00	4.26	6.00	5.97	11.25	48.87	" "
7.81	20.00	21.67	4.00	6.35	7.00	7.48	9.60	47.09	" "
7.95	24.00	24.13	5.00	4.41	7.00	6.89	12.20	44.42	" "
8.54	32.00	32.12	4.50	4.55	9.00	8.25	9.80	36.74	" "
8.62	19.00	19.13	4.00	4.12	6.50	5.93	9.50	52.70	" "
10.16	19.00	18.56	4.00	3.69	6.50	5.10	10.35	52.14	" "

A—Ingredients on label differ from license.
B—Fat and Fibre quarantee and ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dawe's Vitamelk Co., Chicago, Ill.	
*Vitamelk Concentrate	Frederick
Delaware Mills Inc., Deposit, N. Y.	
Delaware 32% Dairy Supplement	Ingleside
Indian Sweet 24% Dairy Feed	Ingleside
‡Delaware Sweet 20% Dairy Feed	Ingleside
Delco Laying Mash (with Cod Liver Oil & Dried Skim Milk)	Ingleside
Delco Starter & Broiler Ration (with Cod Liver Oil & Dried Skim Milk)	Ingleside
‡Delaware Pulpolass Feed	Ingleside
Delaware Pig & Hog Feed	Ingleside
*‡Delaware Turkey Growing Mash (with Cod Liver Oil & Dried Skim Milk)	Ingleside
Del-Mar-Va Milling Co., Inc., Snow Hill, Md.	
Milk-O-Lene 20% Dairy	Snow Hill
Stag Yellow Leg Starter & Broiler	Snow Hill
Stagg Developing Ration	Snow Hill
The Denver Alfalfa Milling & Products Co., Lamar, Col.	
‡13% Triple XXX Alfalfa Meal	Mt. Airy
Alfalfa Meal	Cambridge
Alfalfa Meal	Baltimore
The Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
*Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Diary Feed	Derwood
Derwood Laying Mash	Derwood
Derwood Hog Feed	Derwood
Devilbiss Brothers, New Windsor, Md.	
A-I Laying Mash	New Windsor
Dietrich & Gambrill, Inc., Frederick, Md.	
Brewers Grains & Molasses	Sykesville
Gambrill's High Protein Dairy Feed	Baltimore
D. & G. Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Sykesville
D. & G. Broiler Mash	Easton
‡D. & G. Fleshing Mash Pelleted	Hagerstown
D. & G. Fleshing Mash Pelleted	Hagerstown
All Mash Starter & Grower	Easton
D. & G. Turkey Growing Mash	Federalsburg
D. & G. Turkey Growing Mash	Hagerstown
William H. Dolbey, White Haven, Md.	
Dolbey's Best Growing Mash	White Haven

* Deficient in protein or fat.
‡ Sampled before Registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.52	18.00	29.48	7.00	6.36	2.50	.55	10.95	45.14	A.
8.64	32.00	34.32	4.00	4.77	9.00	7.32	7.03	37.92	As declared on label
9.77	24.00	25.40	3.50	4.52	12.00	10.59	8.40	41.32	" "
8.68	20.00	20.39	4.50	4.14	10.00	7.78	6.54	52.47	" "
8.78	17.00	16.41	4.00	4.41	9.00	6.01	8.20	56.19	C.
8.15	18.00	18.95	4.50	5.12	6.00	6.22	8.75	52.81	As declared on label
11.04	10.00	12.71	2.00	3.33	16.00	12.11	7.87	52.94	" "
9.07	16.00	16.41	4.00	5.27	8.00	6.21	4.90	58.14	" "
8.31	20.00	18.08	4.00	4.36	7.00	6.31	6.70	56.24	" "
9.03	20.00	25.10	4.00	3.94	10.00	8.79	9.75	43.39	B.
9.94	18.00	19.31	4.00	4.51	6.00	6.31	9.90	50.03	As declared on label
9.82	17.00	19.04	4.00	4.31	6.00	5.92	9.50	51.41	" "
7.14	13.00	14.13	1.00	1.70	33.00	32.04	7.55	37.44	As declared on label
6.43	13.00	15.45	1.00	2.05	33.00	29.39	8.75	37.93	" "
7.08	13.00	15.27	1.00	1.39	33.00	30.37	9.50	36.39	" "
10.16	32.00	31.05	4.00	4.12	10.00	7.28	9.16	38.23	" "
9.00	32.00	28.99	4.00	3.91	10.00	8.37	8.40	41.33	" "
8.05	26.00	27.38	4.00	4.54	10.00	10.15	8.29	45.59	" "
8.23	20.00	20.99	3.50	4.31	12.00	11.27	7.79	47.41	" " D.
8.01	16.00	18.20	3.00	4.42	12.00	11.24	9.26	48.87	" "
8.98	20.00	20.98	4.00	5.05	7.00	6.43	9.23	49.33	" "
10.49	18.00	20.03	4.50	4.72	8.00	7.86	10.83	46.07	" " D.
8.69	20.00	20.88	4.00	5.07	8.00	7.89	7.10	50.37	As declared on label
8.36	22.00	25.45	5.00	5.86	15.00	13.14	3.98	43.21	" "
8.58	32.00	34.24	4.00	4.98	9.00	9.09	7.01	36.10	" "
11.61	20.00	21.05	4.00	4.34	12.00	10.51	7.57	44.92	" "
8.38	16.00	18.85	3.50	3.89	12.00	11.65	6.72	50.51	" "
8.66	18.00	19.13	4.00	3.90	7.00	6.46	8.65	53.20	" "
8.85	15.00	16.67	3.50	4.01	6.50	4.53	6.25	59.69	" "
8.88	15.00	16.15	3.50	4.17	6.50	4.55	6.15	60.10	" "
9.69	16.00	17.72	4.00	4.02	6.00	4.18	8.65	55.74	" "
8.93	20.00	20.62	4.00	4.48	8.00	6.47	11.35	48.15	A.
9.24	20.00	21.94	4.00	4.04	8.00	6.07	9.80	48.91	As declared on label
9.65	16.00	16.94	4.00	5.42	6.00	4.39	8.40	55.20	B.

A—Ingredients on label differ from license.
B—No information on label.
C—Also detected Ground Barley.
D—Fat guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Drackett Products Co., Cincinnati, Ohio	
‡Drackett Soy Bean Oil Meal	Hampstead
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's Starting Feed	Pocomoke City
Ezl. Dunwoody Co., Philadelphia, Pa.	
Super X Fish Meal	Salisbury
Eagle Mills, Pocomoke City, Md.	
Dryden's Pure Fish Meal	Pocomoke City
R. C. D. Laying Mash	Pocomoke City
R. C. D. Growing Mash	Pocomoke City
*Old Virginia Broiler Ration	Pocomoke City
Turkey Trot Grower	Pocomoke City
Eagle Roller Mill Co., New Ulm, Minn.	
Eagle Rye Middlings, with Screenings	Frederick
The Early & Daniel Co., Cincinnati, Ohio	
Tuxedo Special 24% Dairy Feed	Frostburg
Tuxedo Special 20% Dairy Feed	Oakland
Tuxedo Dairy 16%	Frostburg
Tuxedo Special Eggmash	Frostburg
Tuxedo Growing & Developing Mash	Pocomoke City
Standard Wheat Middlings	Oakland
‡Tuxedo Roughage Feed	Friendsville
Tuxedo Chop	Friendsville
Tuxedo Big Forty Hog Supplement	Oakland
Tuxedo Porkmaker	Friendsville
Tuxedo Pig Meal	Friendsville
Tuxedo Turkey Growing & Developing Mash	Oakland
Tuxedo Turkey Growing & Developing Mash	Pocomoke City
Eastern Service Corporation, Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern Shore Feed Co., Easton, Md.	
Sur-Gain Egg-Mash	Easton
Sur-Gain 18% Broiler Mash	Easton
‡Sur-Gain Turkey Grower	Easton
Sur-Gain Turkey Starter Mash	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
Egg Mash	Frostburg
Developer	Snow Hill
Starting & Broiler	Snow Hill
Hog Meal	Frostburg

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.36	44.00	46.86	.50	1.66	7.00	4.65	5.20	33.27	As declared on label
8.74	18.00	19.48	4.50	4.99	8.00	8.53	9.35	48.91	" "
9.57	16.00	15.97	3.50	4.30	5.00	5.06	8.35	56.75	" "
9.47	15.50	15.46	3.00	3.47	5.50	5.42	6.20	59.98	" "
6.71	60.00	62.92	4.50	6.49	1.50	.35	18.65	4.88	" "
6.37	55.00	62.22	7.00	7.45	3.00	.41	17.10	6.45	" "
9.88	20.00	20.45	5.00	5.03	8.00	6.95	10.20	47.49	A.
9.81	16.00	17.11	4.00	4.42	7.00	5.23	8.10	55.33	B.
8.73	18.00	20.45	5.00	4.35	6.00	4.77	11.15	50.55	As declared on label
9.99	20.00	20.18	5.00	5.18	6.00	4.99	8.30	51.36	" "
9.03	15.00	19.22	3.00	3.33	9.50	5.89	4.10	58.43	" "
10.14	24.00	25.96	3.50	3.49	12.00	8.51	7.49	44.41	" "
8.17	20.00	19.87	3.50	3.51	12.00	11.08	9.41	47.96	" "
9.67	16.00	17.84	3.50	3.47	12.50	10.09	7.75	51.18	" "
9.30	20.00	20.14	4.00	4.72	8.00	5.81	8.58	51.45	" "
9.74	17.00	18.60	4.00	5.02	6.50	5.81	6.15	54.68	" "
7.65	14.00	19.31	3.00	4.51	7.00	7.07	6.25	55.21	" "
10.79	9.00	11.73	2.00	1.98	18.00	16.38	11.22	47.90	" "
10.00	9.50	10.45	3.00	2.95	9.00	6.30	5.42	64.88	" "
8.85	40.00	40.88	4.50	4.54	7.00	6.51	13.78	25.45	" "
8.01	15.50	15.59	4.00	4.08	6.00	4.42	5.94	61.97	" "
9.55	14.50	15.00	4.00	4.85	7.00	5.29	6.96	58.35	" "
9.43	21.00	20.66	4.50	4.81	6.00	5.62	7.78	51.70	" "
10.12	21.00	22.90	4.50	4.61	6.00	5.87	8.35	48.15	B.
9.58	18.50	20.62	4.00	4.43	7.50	7.07	10.75	47.55	As declared on label
9.41	18.00	18.87	4.00	4.41	7.00	7.89	8.95	50.47	" "
8.02	17.00	17.04	5.00	5.42	7.00	6.33	7.45	55.74	" "
7.87	18.00	21.06	4.00	4.75	6.00	5.76	7.05	53.51	" "
8.64	20.00	19.57	4.00	4.64	6.00	7.18	7.60	52.37	" "
8.49	26.00	25.97	5.00	5.26	6.00	5.55	11.10	43.63	" "
7.78	20.00	21.41	4.00	4.62	6.50	6.52	12.75	46.92	" "
8.52	18.50	19.97	3.75	4.38	6.50	6.45	9.28	51.40	" "
8.48	18.50	19.32	4.00	4.49	5.00	4.92	6.98	55.81	" "
9.49	15.00	15.27	3.50	4.02	5.00	4.96	7.60	58.67	" "

A—Protein guarantee and ingredients on label differ from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Eden Milling Co., Pylesville, Md.	
Eagle Brand Egg Mash No. 1	Pylesville
Eagle Brand Pig & Hog Feed	Pylesville
The Eichman Co., Union Bridge, Md.	
Eichman's Echo Brand Egg Mash	Union Bridge
Eichman's Prize Porker Pig & Hog Feed	Union Bridge
Englar & Sponseller, Westminster, Md.	
Meadow-Brook Laying Mash	Westminster
John W. Eshelman & Sons, Lancaster, Pa.	
Eshelman Red Rose 32% Mixing Ration	Walkersville
Eshelman Red Rose 24% Dairy Feed	Baltimore
Eshelman Red Rose 24% Dairy Feed	Walkersville
Eshelman Conestoga 20% Dairy Feed	New Windsor
Eshelman Pennsy 16% Dairy Feed	Walkersville
Eshelman Maintenance 20% Laying Mash, with Cod Liver Oil	Oakland
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Hyattsville
‡Eshelman Red Rose Complete Laying Mash, with Cod Liver Oil	Hyattsville
Eshelman Pennsy Laying Mash	Annapolis
Eshelman Pennsy Laying Mash, with Cod Liver Oil	Hyattsville
Eshelman Red Rose Fitting Ration	Annapolis
Eshelman Red Rose Flaked Feed	Annapolis
Eshelman Delmarva Broiler Feed (with Cod Liver Oil)	Newark
Eshelman Red Rose All Mash Starter & Grower with Cod Liver Oil	Annapolis
Eshelman Red Rose Pig & Hog Meal	Baltimore
Eshelman Red Rose Pig & Hog Meal	Walkersville
Eshelman Red Rose Calf Starter	Rising Sun
Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Elkton
Fairfield Western Maryland Dairy Corporation, Baltimore, Md.	
Skim Milk Powder	Reisterstown
Farmers' Cooperative Association, Inc., Frederick, Md.	
Farco 32% Supplement	Frederick
Farco 24% Milk Producer	Frederick
Farco 16% Dairy Feed	Frederick
Farco Egg Producer	Frederick
Farco Pig & Hog Meal	Frederick
Farco Turkey Starting Mash	Frederick
Farmers' Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Middleburg
Farmer's Fertilizer & Feed Co., Westminster, Md.	
Farmer's Favorite Dairy Feed	Westminster
Farmer's Favorite Laying Mash	Westminster
Farmers' Favorite Pig Meal	Westminster

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.09	18.00	18.08	4.00	5.95	8.00	5.59	7.50	53.79	A.
9.63	17.00	18.60	4.00	4.13	8.00	5.57	6.30	55.78	A.
10.09	16.00	16.76	4.00	3.56	6.00	4.64	9.80	55.15	As declared on label
9.69	14.00	14.57	3.50	3.25	6.00	5.21	6.35	60.93	" "
7.41	20.45	20.01	5.50	4.73	10.45	9.34	9.50	49.01	" "
8.01	32.00	33.11	4.50	5.80	9.00	8.17	8.26	36.65	" "
7.50	24.00	24.86	4.00	4.28	11.00	7.90	8.14	47.32	" "
8.87	24.00	25.33	4.00	4.38	11.00	7.88	7.44	46.10	" "
9.25	20.00	22.01	4.00	4.09	11.00	9.30	8.13	47.22	" "
8.41	16.00	17.30	3.00	4.63	11.00	11.08	9.39	49.19	" "
7.81	20.00	21.67	4.50	4.47	8.00	7.18	6.80	52.07	" "
9.56	20.00	22.03	5.00	5.37	7.50	6.72	10.46	45.86	" "
10.17	15.00	17.64	4.00	4.39	6.00	5.17	7.12	55.51	" "
9.61	18.00	20.27	4.50	4.47	8.00	7.72	10.00	47.93	" "
8.58	18.00	18.87	4.50	4.63	8.00	7.25	8.76	51.91	" "
8.34	12.00	15.86	3.50	4.22	7.00	6.12	5.94	59.52	" "
10.48	10.00	10.56	2.50	2.88	11.00	9.04	3.40	63.64	" "
10.43	18.50	18.16	4.50	4.51	7.00	5.62	6.75	54.53	" "
8.65	16.00	17.64	4.00	4.40	7.00	7.02	8.76	53.53	" "
8.87	16.00	19.83	5.00	5.37	10.00	8.58	7.45	49.90	" "
8.56	16.00	18.60	5.00	4.58	10.00	7.87	7.55	52.84	" "
9.83	22.00	23.34	4.00	4.24	5.00	4.96	5.38	52.25	" "
8.31	18.00	20.53	4.25	4.73	8.00	8.02	8.85	49.56	" "
.....	35.00	36.42	.50	X.65	.....	.....	8.10	.....	" "
9.54	32.00	34.02	3.00	5.14	7.00	8.35	9.26	33.69	B.
9.40	24.00	25.87	3.50	4.09	12.00	10.56	7.58	42.50	B.
8.36	16.00	20.38	3.00	3.94	14.00	9.96	6.18	51.19	B.
8.52	20.00	21.50	4.00	5.05	7.00	5.69	9.70	49.54	C.
10.57	16.50	17.55	4.50	4.46	5.50	4.44	6.65	56.33	B.
8.75	24.00	25.71	4.00	6.47	6.50	5.52	9.65	43.90	B.
6.71	26.00	25.62	6.00	6.84	17.00	15.71	5.60	39.52	As declared on label
8.15	24.00	27.64	4.00	3.89	12.00	10.27	7.40	42.65	" "
7.67	19.00	20.27	4.00	4.25	10.00	8.24	7.85	51.72	" "
8.88	18.00	18.52	4.50	5.82	10.00	7.03	8.05	51.70	" "

A—No information on label
B—Ingredients on label differ from license.
C—Protein guarantee and ingredients on label differ from license.
X—Fat as determined by the Roese Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Farmers Supply Co., Denton, Md.	
Fasuco Laying Mash	Denton
Farmers Supply Co., Walkersville, Md.	
*Hog Feed	Walkersville
Feed Mor Products Co., Westminster, Md.	
Meat Meal	Frederick
Feed Products Co., Baltimore Md.	
Fep-Co-Mids	Derwood
J. T. Fisher & Son, Poolesville, Md.	
Home Mixed Laying Mash	Poolesville
The Fox Co., Newfield, N. J.	
Fox Fish Meal	Denton
Fullerton Supply Co., Overlea, Md.	
Fullerton 24% Dairy Feed	Overlea
Fullerton Laying Mash	Overlea
The Gambrill Grain Products Co., Baltimore, Md.	
Gambrill's AA Laying Mash	Baltimore
L. E. Gellerman, Baltimore, Md.	
Morrell Scratch	Baltimore
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Bran & Wheat Screenings	Frostburg
Washburn's Gold Medal Hard Wheat Bran & Wheat Screenings	Baltimore
Georgia Distributing Co., Atlanta, Ga.	
41% Protein Peanut Meal	Frederick
Glade Valley Milling Co., Walkersville, Md.	
*Gee Vee 32% Dairy Feed	Walkersville
Gee Vee 20% Dairy Feed	Walkersville
Gee Vee Laying Mash	Walkersville
The Glidden Co. Soya Products Division, Chicago, Ill.	
Glidden 4 Hi New Process Soybean Oil Meal	Frederick
Glidden 4 Hi New Process Soybean Oil Meal	Baltimore
Goldsboro Milling Co., Goldsboro, Md.	
Marvels Egg Mash	Goldsboro
William Gower & Son, Williamsport, Md.	
Hog Feed	Williamsport

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.31	20.00	20.62	5.00	4.79	8.00	7.19	9.40	49.69	As declared on label
9.23	15.00	18.16	4.00	3.49	4.50	6.49	8.55	54.08	A.
5.67	55.00	57.48	5.00	11.04	4.00	2.31	20.90	2.60	As declared on label
7.14	15.00	16.50	6.50	8.63	9.00	7.02	6.36	54.35	" "
7.56	15.00	15.01	3.50	5.32	5.00	4.01	4.35	63.75	" "
6.57	55.00	63.18	3.00	6.77	3.00	.23	18.65	4.60	" "
8.53	24.00	25.71	5.00	5.65	10.00	9.88	5.85	44.38	" "
8.01	20.00	20.89	4.50	5.72	6.50	6.71	10.96	47.71	A.
10.55	20.00	20.36	3.50	3.79	8.00	6.05	8.90	50.35	As declared on label
11.29	9.00	9.78	2.50	2.93	5.00	2.87	1.91	71.22	B.
7.99	14.00	17.29	3.50	4.69	12.00	10.61	7.10	52.32	As declared on label
8.84	14.00	15.45	3.50	4.61	12.00	12.32	7.35	51.43	" "
6.81	41.00	45.98	6.00	7.95	14.00	11.37	4.60	23.29	" " C.
7.22	32.00	33.96	6.00	5.03	11.00	9.52	8.70	35.57	A.
8.41	20.00	22.03	3.00	3.63	9.00	8.37	7.50	50.06	As declared on label
9.16	18.00	19.31	4.00	5.07	7.50	4.48	8.35	53.63	A.
8.06	44.00	44.67	.50	.89	7.00	5.59	6.20	34.59	As declared on label
9.37	44.00	47.56	.50	.56	7.00	5.84	6.05	30.62	" "
8.04	20.00	19.92	4.51	4.35	9.00	7.79	8.15	51.75	" "
10.47	16.00	16.50	4.00	4.06	8.00	4.71	4.30	59.96	A.

A—Ingredients on label differ from license.
B—Also detected Oats.
C—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Great Atlantic & Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 24%	Oakland
Daily Milk Dairy Feed	Oakland
Daily Egg Laying Mash Feed	Baltimore
Daily Growth Growing Mash	Baltimore
Daily Growth Broiler Mash	Oakland
Daily Growth Chick Starter	Baltimore
Daily Growth Fine Chick Feed	Baltimore
Talco Scratch Feed	Baltimore
Green Mish Co., Silver Sprnig, Md.	
"Green Tag Brand" Prime Peanut Meal	Germantown
"Green Tag Brand" Prime Peanut Meal	Frederick
W. D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills
Hales & Hunter Co., Chicago, Ill.	
Special Red Horn 24% Dairy Feed	Cumberland
Special Red Horn 20% Dairy Feed	Baltimore
Gold Flake Dairy Feed	Baltimore
Red Comb Egg Mash	Baltimore
*Red Comb Growing Mash	Salisbury
Red Comb Growing Mash	Baltimore
*Red Comb Flushing Mash	Salisbury
*Red Comb Flushing Mash	Salisbury
Red Comb Broiler Mash	Cumberland
*Red Comb Crate Fattener	Baltimore
Pioneer Pig & Hog Feed	Cumberland
Red Comb Turkey Balancer	Pocomoke City
Red Comb Turkey Balancer	Baltimore
Red Comb Turkey Grower	Pocomoke City
Red Comb Turkey Grower	Baltimore
Red Comb Turkey Starter	Baltimore
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash	Hampstead
Home Made Hog Feed	Hampstead
Hancock Flour & Feed Co., Hancock, Md.	
*Potomac Laying Mash	Hancock
*Potomac Growing Mash	Hanccok
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Pig & Hog Meal	Middleburg
Harrington Milling Co., Harrington, Del.	
Pure Wheat Bran	
Pure Wheat Middlings	Pocomoke City

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
11.16	24.00	24.56	3.50	3.55	9.00	7.87	10.38	42.48	As declared on label
11.03	16.00	17.38	3.00	3.34	12.00	9.61	11.99	46.65	" "
7.75	20.00	19.13	4.00	4.82	6.50	6.39	13.75	48.16	" "
8.39	17.50	17.90	4.00	4.53	6.50	6.42	10.25	52.51	" "
8.23	18.00	20.27	3.50	4.53	6.00	6.28	9.05	51.64	" "
9.84	16.50	17.11	4.50	5.10	4.50	5.98	9.55	52.42	" "
11.02	10.00	10.50	3.00	3.04	5.00	3.20	1.30	70.94	" "
10.05	10.00	10.25	2.50	2.60	5.00	1.70	1.50	73.90	" "
8.16	45.00	45.28	6.00	6.24	12.00	12.25	4.80	23.27	" "
6.98	45.00	47.30	6.00	6.77	12.00	10.75	4.90	23.30	" "
9.27	18.00	18.08	5.00	4.70	8.00	7.24	8.60	52.11	" "
8.88	24.00	26.17	3.50	3.09	12.00	9.04	7.62	45.20	" "
10.44	20.00	21.36	3.50	3.01	12.00	9.27	8.39	47.53	" "
11.78	16.00	17.45	3.00	2.97	15.00	9.44	8.28	50.08	" "
8.41	18.00	20.62	4.00	4.70	7.00	5.64	11.00	49.63	" "
11.69	16.00	16.41	4.00	2.91	7.00	5.62	6.40	56.97	" "
9.11	16.00	18.08	4.00	4.66	7.00	6.32	6.90	54.93	" "
10.43	17.00	12.11	3.00	2.61	4.00	4.48	6.05	64.32	" "
10.59	17.00	11.93	3.00	2.58	4.00	4.83	.....	.....	" "
7.63	18.00	20.62	4.00	4.41	7.00	6.32	7.95	53.07	" "
9.73	13.00	13.60	4.00	3.18	6.00	4.83	5.50	63.16	" "
8.01	20.00	22.25	4.00	4.50	7.00	7.42	10.32	47.50	" "
7.02	32.00	33.52	4.00	4.77	7.50	6.38	20.18	28.13	" "
7.16	32.00	33.37	4.00	4.58	7.50	5.93	19.95	29.01	" "
9.01	21.00	22.46	4.00	4.68	7.00	5.89	8.80	49.16	" "
8.92	21.00	23.69	4.00	4.29	7.00	5.83	9.15	48.12	" "
8.63	25.00	24.75	5.00	4.79	6.00	4.69	9.75	47.39	" "
8.56	20.00	19.92	4.50	5.21	8.00	7.40	9.25	49.66	" "
9.73	15.00	15.09	4.00	3.57	8.00	4.54	5.40	61.67	" "
8.94	18.00	18.87	4.00	3.25	7.00	7.22	6.70	55.02	" " A.
9.04	16.00	17.64	4.00	3.43	7.50	6.57	7.55	55.77	" "
9.39	16.50	18.95	4.00	4.01	10.00	7.77	6.10	53.78	B.
9.85	19.00	18.08	5.00	5.22	5.00	4.20	8.50	54.15	As declared on lab. C.
9.68	12.00	14.04	3.50	3.57	10.00	8.39	6.70	57.62	" "
10.91	12.00	13.60	3.50	3.53	5.00	3.21	3.20	65.55	" "

A—Fibre guarantee on label differs from license.
B—Ingredients on label differ from license.
C—Protein guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Hecker-H-O Co. of Canada, Ltd., Ayr, Ontario, Canada	
Algrane Brand Stock Feed (Basal Feed)	Derwood
Hershey Creamery Co., Harrisburg, Pa.	
Hershey's Superior Powdered Skim Milk	Hagerstown
Hershey Milling Co., Inc., Hagerstown, Md.	
Hershey's Champion Egg Mash	Hagerstown
Hershey's Champion Pig & Hog Meal	Hagerstown
Hespenheide & Thompson, Inc., York, Pa.	
Premier Mixing Concentrate, with Molasses	Chewsville
‡Corn Feed Meal	Newark
John P. Howard, Hagerstown, Md.	
Howard's Poultry Mash	Hagerstown
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Concentrate (Cod Liver Oil)	Pocomoke City
Hubbard's Sunshine Concentrate (Cod Liver Oil)	Hagerstown
Humphreys-Godwin Co., Memphis, Tenn.	
*Dixie Brand Prime 41% Cottonseed Meal	Linwood
Dixie Brand Prime 41% Cottonseed Meal	Frederick
The Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Hurlock Milling Co., Hurlock, Md.	
Quality Laying Mash	Hurlock
Independent Mfg. Co., Philadelphia, Pa.	
*Independent's 45% Meat Scrap & Bone	Denton
Independent's 60% Feeding Tankage (Blood)	Denton
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
Ingleside Turkey Mash	Ingleside
International Milling Co., Minneapolis, Minn.	
Blackhawk Wheat Flour Middlings	Pocomoke City
James Ireland Mill, Easton, Md.	
Hog Feed	Easton
Jerusalem Mills, Kingsville, Md.	
Maryland Feeds 16% Dairy Feed	Kingsville
Maryland Feeds Egg Mash	Kingsville
Maryland Feeds Laying Mash	Kingsville
Maryland Feeds Broiler Growing Mash	Kingsville
Maryland Feeds Hog Feed	Kingsville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.48	10.00	9.92	2.00	2.39	6.00	4.37	3.34	72.50	" "
.....	32.00	34.66	.25	X.30	.....	.....	8.00	.....	" "
9.15	20.00	19.92	4.00	4.62	7.50	7.55	8.75	50.01	As declared on label
9.31	16.00	17.02	4.50	4.77	8.00	6.03	8.65	54.22	" "
8.70	29.00	31.68	4.00	4.08	6.00	5.85	8.05	41.64	" "
10.99	8.00	9.74	3.00	5.35	4.00	6.02	2.40	65.50	" "
9.35	18.00	18.87	5.00	4.69	7.00	5.12	10.15	51.82	A.
8.06	32.00	32.73	5.00	5.33	7.00	6.34	14.10	33.44	As declared on lab. B.
8.59	32.00	32.99	5.00	4.82	7.00	6.52	13.45	33.63	" " B.
7.53	41.00	39.75	5.00	6.37	12.00	11.13	6.60	28.62	" "
8.16	41.00	41.16	5.00	5.61	12.00	9.86	6.75	28.46	" "
8.12	20.00	20.53	4.50	5.31	7.00	8.54	9.85	47.65	" "
9.09	18.00	18.25	4.50	4.61	9.62	7.11	10.75	50.19	A.
5.91	45.00	47.36	8.00	7.01	3.00	1.34	35.70	2.68	As declared on label
5.77	60.00	57.83	5.00	11.33	5.00	5.30	16.35	3.42	C.
8.92	18.00	18.08	4.00	3.79	9.00	7.86	8.30	53.05	As declared on label
8.07	20.00	20.36	4.50	4.57	10.00	7.80	12.10	47.10	C.
7.60	16.00	16.50	3.50	3.65	4.00	3.20	2.65	66.40	As declared on label
9.25	16.00	17.20	2.75	4.15	5.00	4.14	8.15	57.11	A.
9.62	16.00	16.06	3.00	3.26	10.00	11.89	6.09	53.08	As declared on label
7.97	20.00	20.62	4.00	3.78	6.00	6.63	9.35	51.65	" "
8.43	20.00	21.50	4.00	4.70	7.00	7.89	9.20	48.28	" " D.
8.31	20.00	20.01	4.00	5.17	7.00	8.93	10.05	47.53	" "
9.03	18.00	19.11	3.50	4.24	6.00	5.08	6.54	56.00	" "

A—Ingredients on label differ from license.
B—Fat guarantee on label differs from license.
C—Also detected Vegetable Fibrous Material.
D—Fibre guarantee on label differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The R. D. Johnson Milling Co., Cumberland, Md.	
*"Atlas" Dairy Feed	Cumberland
"Atlas" Egg Mash	Cumberland
‡"Atlas" Pig Meal	Cumberland
†White Middlings	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
Kasco 32% Mixing Feed	Baltimore
Kasco Mormilk Dairy Ration	Baltimore
Apex 20% Dairy Ration	Hagerstown
Kasco Sweet 16% Dairy Feed	Baltimore
Kasco Farm Feed	Cumberland
Apex Egg Mash	Hagerstown
Apex Laying Mash	Baltimore
Kasco Laying Mash	Hagerstown
Kasco All Mash Laying & Breeding Ration	Manchester
Kasco Laying & Breeding Mash	Baltimore
Kasco All Mash Grower	Baltimore
Apex Complete Grower	Baltimore
‡Kasco 32% Mash Concentrate	Frederick
Kasco Broiler Ration	Baltimore
Apex Starter	Sudlersville
††Oc-Sak Horse Feed	Oakland
Oc-Sak Hog Feed	Cumberland
Kasco Pig-Hog Feed	Baltimore
Oc-Sak Pig-an-Hog Ration	Hagerstown
Kasco Turkey Grower	Baltimore
Kasco Turkey Grower	Sudlersville
Kasco Turkey Grower	Hagerstown
Kelco Company, New York, N. Y.	
Kelco-Meal	Gaithersburg
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	
‡Kellogg's 32% Protein O. P. Linseed Meal	Hagerstown
Kershaw Oil Mill, Kershaw, S. C.	
‡"Palmetto Brand" Cotton Seed Meal	Cambridge
The Key Grain & Feed Co., Keymar, Md.	
*The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Detour
The Detour Laying Mash	Detour
The Key Laying Mash	Hampstead
The Key 34% Hog Supplement	Detour
The Key Pig Meal	Detour
The Key Pig Meal	Detour
King Brothers & Co., Philadelphia, Pa.	
King's Dried Buttermilk	Pocomoke City

* Deficient in protein or fat.
† Deficient in both protein and fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.79	16.00	15.62	4.90	3.59	10.00	10.89	11.65	50.46	E.
9.14	18.00	20.53	4.00	4.07	7.00	7.20	7.20	51.86	As declared on label
6.05	12.50	15.18	3.50	3.31	7.00	16.00	15.95	43.51	" "
9.87	16.02	12.11	4.19	2.07	3.17	2.96	2.50	70.49	" " F.
8.40	32.00	32.09	4.00	4.28	10.00	7.75	7.95	39.53	" "
9.23	24.00	24.06	4.00	4.26	10.00	8.24	7.60	46.61	" "
8.01	20.00	21.36	3.50	3.98	12.00	10.08	7.60	48.97	" "
8.36	16.00	20.14	3.50	3.54	12.00	11.28	8.25	48.43	" "
8.99	16.00	18.08	3.00	3.91	9.00	6.97	5.25	56.80	" "
9.59	18.00	18.34	3.50	4.34	8.00	7.62	10.80	49.31	" "
9.85	20.00	20.71	4.00	3.85	8.50	5.61	9.20	50.78	" "
8.99	20.00	20.09	4.00	4.38	7.50	7.41	11.45	47.68	" "
9.52	15.00	16.76	4.00	4.32	6.50	5.79	8.65	54.96	" "
11.19	20.00	20.62	4.00	4.28	7.50	6.31	8.45	49.15	" "
11.20	14.00	14.57	4.00	3.87	7.00	5.64	7.60	57.12	" "
10.38	14.00	14.57	4.00	3.75	8.50	6.39	6.05	58.86	" "
6.72	32.00	32.82	4.00	4.94	7.00	6.37	22.80	26.35	" "
9.59	18.00	19.92	4.00	4.08	6.50	5.25	8.20	52.96	" "
8.50	16.00	19.23	4.00	3.65	7.00	6.05	7.05	55.52	" "
11.04	9.00	7.92	2.25	1.69	15.00	12.54	5.85	60.96	" "
10.81	20.00	21.27	4.00	4.10	8.00	6.87	6.71	50.24	" "
9.79	17.00	18.95	4.00	4.53	8.00	6.64	6.95	53.14	" "
9.05	16.00	15.41	3.50	3.58	8.00	7.16	6.15	58.65	" "
9.17	20.00	21.50	4.00	4.03	8.00	7.91	7.60	49.79	" "
7.01	20.00	22.73	4.00	4.41	8.00	8.08	7.65	50.12	" "
8.70	20.00	21.50	4.00	4.43	8.00	7.69	10.80	46.88	" "
6.96	3.00	5.44	.10	.59	10.00	6.69	37.16	43.16	" "
9.83	32.00	32.64	4.50	5.74	9.00	9.38	5.45	36.96	" " A.
6.05	41.00	42.21	6.00	7.04	11.00	10.49	6.90	27.31	" "
7.86	32.00	30.98	4.75	4.99	11.00	9.18	9.85	37.14	" "
7.04	20.00	22.55	4.00	4.74	11.00	8.56	7.95	49.17	" "
8.58	19.00	20.09	4.50	4.57	9.00	6.45	9.75	50.56	" "
8.44	19.00	19.04	5.00	5.19	7.00	6.15	10.10	51.08	" "
6.83	34.00	36.68	4.50	5.57	8.00	7.56	18.70	24.66	" "
9.73	17.00	18.52	4.00	5.25	8.00	5.69	7.70	53.11	C.
9.29	17.00	17.29	4.00	5.00	7.00	5.97	8.75	53.70	B.
.....	32.00	33.26	5.00	X6.05	.....	.....	15.70	.....	As declared on label

A—Acid Insoluble Ash 0.34.
X—Fat as determined by the Roese-Gottlieb Method.
E—Fat and Fibre guarantee and Ingredients on label differ from license.
F—Protein guarantee on label differs from license.
C—Fibre guarantee and ingredients on label differ from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kline Brothers, Inc., Boonsboro, Md.	
Kline Brothers Egg Mash	Boonsboro
Kline Brothers Pig & Hog Meal	Boonsboro
Kraft-Phenix Cheese Corporation, Chicago, Ill.	
Collis Dried Buttermilk	Princess Anne
Collis Dried Buttermilk	Baltimore
Lake of the Woods Milling Co., Limited, Montreal, Canada	
Lakewoods Wheat Shorts	Westminster
Larrowe Milling Co., Division of General Mills, Inc., Detroit, Mich.	
Larro 32% Dairy Feed	Baltimore
Larro 32% Dairy Feed	Dickerson
Larro, The Ready Ration for Dairy Cows	Baltimore
Larro, The Ready Ration for Dairy Cows	Dickerson
Larro 16% Dairy Feed	Baltimore
Larro Egg Mash	Baltimore
Larro Egg Mash	Dickerson
Larro Broiler Feed	Baltimore
Larro Broiler Feed	Annapolis
Larro Pig & Hog Builder	Baltimore
Larro Turkey Breeder Mash	Dickerson
Larro Turkey Builder	Baltimore
Larro Turkey Finisher (Pelleted)	Baltimore
Larro Turkey Finisher	Annapolis
John T. Lewis & Brothers Co., Philadelphia, Pa.	
34% O. P. Linseed Meal	Baltimore
The Liberty Milling Co., Germantown, Md.	
Liberty 32% Mixing Ration	Germantown
Montgomery 26% Dairy Ration	Germantown
*Liberty 22% Dairy Ration	Germantown
Liberty 16% Dairy Feed	Germantown
Liberty Laying Mash	Germantown
*Liberty Hog Meal	Germantown
Liberty Starter & Grower Turkey Mash	Germantown
The Linwood Elevator Co., Linwood, Md.	
Linwood Laying Mash	Medford
*Linwood Complete Pig	Medford
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cottonseed Meal	Chewsville
"Lovit Brand" 41% Protein Cottonseed Meal	Maugansville
"Lovit Brand" 41% Protein Cottonseed Meal	Hagerstown
"Lovit Brand" 41% Protein Cottonseed Meal	Derwood

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.96	18.00	18.69	3.50	4.09	7.00	6.58	6.05	54.63	As declared on label
11.12	16.00	16.23	4.00	3.58	6.00	4.49	4.45	60.13	" "
.....	30.00	31.06	5.00	X6.19	.....	.....	9.40	.....	B.
.....	30.00	30.71	5.00	X5.75	.....	.....	8.40	.....	B.
9.39	16.00	18.52	5.00	5.30	8.00	8.04	4.65	54.10	As declared on label
7.80	32.00	33.78	4.00	4.73	10.50	9.59	9.20	34.90	" "
7.92	32.00	32.56	4.00	4.97	10.50	9.30	8.25	37.00	" "
9.94	20.00	21.59	3.75	3.67	12.00	9.83	6.80	48.17	" "
9.08	20.00	20.45	3.75	3.85	12.00	9.60	6.60	50.42	" "
9.65	16.00	16.67	3.00	3.04	11.00	9.91	6.15	54.58	" "
8.96	20.00	21.15	4.00	4.48	7.50	6.86	9.35	49.20	" "
9.03	20.00	20.27	4.00	4.37	7.50	7.17	8.95	50.21	" "
9.98	20.00	20.80	3.50	3.66	7.00	5.54	8.40	51.62	" "
8.07	20.00	20.01	3.50	3.88	7.00	6.03	7.60	54.41	" "
9.73	17.50	18.87	4.00	4.23	7.50	6.14	8.10	52.93	" "
9.03	20.00	20.01	4.00	4.47	7.50	5.99	8.25	52.26	" "
8.81	24.00	25.80	4.50	5.04	6.50	6.12	11.45	42.78	" "
8.54	19.00	19.66	3.50	4.16	7.00	6.93	10.25	50.46	" "
7.99	19.00	19.13	3.50	4.05	7.00	6.56	10.33	51.94	" "
8.19	34.00	34.40	4.50	5.63	10.00	10.78	5.50	35.50	" " A.
7.09	32.00	32.12	4.00	4.83	11.00	10.60	10.24	35.12	" "
8.44	26.00	26.59	5.00	4.72	9.00	10.53	10.22	39.50	" "
8.93	22.00	22.11	5.00	3.81	10.00	13.06	9.00	43.09	" "
7.91	16.00	16.85	3.50	3.61	15.00	15.13	8.50	48.00	" "
8.31	19.00	20.27	4.50	5.14	7.00	6.34	12.56	47.38	" "
8.51	20.00	21.76	5.00	4.18	5.00	7.55	9.96	48.04	" "
8.34	18.00	19.66	4.50	5.23	6.00	10.64	11.20	44.93	" "
9.05	18.00	20.36	4.50	4.44	8.00	6.21	9.35	50.59	" "
11.58	15.00	16.85	4.00	2.72	7.00	6.40	7.40	55.05	" "
7.13	41.00	39.93	5.00	5.46	13.00	13.43	6.20	27.85	" "
5.99	41.00	42.12	5.00	6.44	13.00	11.50	5.50	28.45	" "
5.37	41.00	40.98	5.00	6.05	13.00	11.93	7.40	28.27	" "
7.16	41.00	41.33	5.00	5.97	13.00	9.71	6.30	29.53	" "

A—Acid Insoluble Ash 0.24%.
B—Also detected Starch.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Maritime Milling Co., Inc., Buffalo, N. Y.	
Sweetened B-B. "24%" Ration	Baltimore
Marmico 16% Protein Dairy Feed, with Molasses	Baltimore
‡B-B. Pigeon Feed	Baltimore
‡B-B. Rabbit Feed (Pelleted) Vitamized with Fortified Cod Liver Oil & DBM	Baltimore
Earl Martin, Hagerstown, Md.	
Reid 32% Dairy Feed	Hagerstown
Reid Dairy Feed	Hagerstown
Reid 20% Dairy Feed	Hagerstown
Reid Hog Feed	Hagerstown
State of Maryland Dept. of Budget & Procurement, Baltimore, Md.	
*C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Reisterstown
*C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Reisterstown
C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Cheltenham
C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Owings Mills
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Cheltenham
C. P. B. Dairy Feed	Catonsville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Reisterstown
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Reisterstown
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Sykesville
C. P. B. Laying Mash	Sykesville
C. P. B. Laying Mash	Reisterstown
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Breathedsville
C. P. B. Growing Mash	Breathedsville
C. P. B. Starting Mash	Breathedsville
C. P. B. Horse Feed	Crownsville
McMillen Feed Mills, Inc., Fort Wayne, Ind.	
Master Soy	Reisterstown
Master Mix Egg Mash, with Cod Liver Oil	Lineboro
Master Mixing Feed	Hampstead

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.51	24.00	24.24	4.00	4.52	9.00	7.58	5.94	47.21	As declared on label
11.43	16.00	17.80	4.00	4.03	12.00	11.36	7.53	47.85	" "
10.40	11.00	11.47	2.50	3.02	4.00	2.24	2.60	70.27	" "
8.79	12.00	15.80	2.50	2.92	12.00	9.03	7.00	56.46	" "
8.29	32.00	33.13	4.00	4.26	10.00	7.73	7.79	38.80	A.
8.76	24.00	27.82	4.00	4.25	12.00	9.36	7.71	42.10	As declared on label
9.10	20.00	22.72	4.00	3.86	12.00	7.85	6.82	49.65	" "
9.14	16.00	15.83	4.00	4.05	10.00	4.42	4.69	61.87	" "
12.01	32.00	29.96	5.00	4.09	9.00	8.44	8.71	36.79	" "
8.35	32.00	32.04	5.00	4.81	9.00	7.83	9.17	37.80	" "
10.97	32.00	33.03	5.00	3.74	9.00	7.94	5.76	38.56	" "
7.04	32.00	32.10	5.00	5.51	9.00	8.52	6.69	40.14	" "
9.90	32.00	32.14	5.00	4.94	9.00	9.05	8.66	35.31	" "
12.29	20.00	20.70	4.00	4.09	11.00	8.61	7.45	46.86	" "
8.70	20.00	21.13	4.00	4.11	11.00	8.33	7.20	50.53	" "
11.47	20.00	21.75	4.00	3.91	11.00	7.72	7.78	47.37	" "
12.64	20.00	20.99	4.00	4.43	11.00	7.74	8.05	46.15	" "
10.18	20.00	20.79	4.00	5.58	11.00	8.47	7.26	47.72	" "
9.66	20.00	20.67	4.00	5.62	11.00	7.98	6.97	49.10	" "
8.72	20.00	22.20	4.00	4.15	11.00	8.19	6.85	49.89	" "
7.87	20.00	21.15	4.00	4.08	11.00	10.08	6.15	50.67	" "
9.51	20.00	20.71	4.00	4.37	11.00	8.04	7.73	49.64	" "
8.51	20.00	22.24	4.00	4.60	11.00	7.74	5.23	51.68	" "
8.21	20.00	21.52	4.00	4.10	11.00	8.62	8.54	49.01	" "
12.26	12.00	14.66	3.00	3.45	7.00	6.63	7.63	55.37	" "
9.40	12.00	13.26	3.00	4.19	7.00	9.82	6.64	56.69	" "
7.54	12.00	13.46	3.00	3.78	7.00	10.16	6.26	58.80	" "
9.60	12.00	13.16	3.00	3.89	7.00	7.38	6.90	59.07	" "
10.65	18.00	18.30	4.50	4.92	6.00	5.25	8.80	52.08	" "
10.83	18.00	17.07	4.50	4.24	6.00	5.67	6.44	55.75	" "
9.02	18.00	19.74	4.50	4.49	6.00	5.45	10.50	50.80	" "
8.51	18.00	18.95	4.50	5.16	6.00	5.90	9.60	51.88	" "
10.09	18.00	20.45	4.50	4.61	6.00	5.47	10.96	48.42	" "
8.21	18.00	18.78	4.50	6.21	6.00	6.78	10.60	49.42	" "
7.55	18.00	20.62	4.50	5.23	6.00	5.95	10.95	49.70	" "
9.24	18.00	18.95	4.50	4.64	6.00	6.41	10.10	50.66	" "
9.66	18.00	20.01	4.50	6.85	6.00	5.54	9.20	48.74	" "
8.17	18.00	20.18	4.50	5.13	6.00	5.11	9.85	51.56	" "
11.02	16.00	16.85	4.00	4.51	6.00	5.62	7.80	54.20	" "
8.16	18.00	19.13	4.00	5.00	6.00	6.11	9.45	52.15	" "
10.35	9.00	9.68	3.50	3.37	8.00	8.34	3.88	64.38	" "
7.49	41.00	43.18	.50	.96	6.50	5.16	12.60	30.61	" "
10.24	19.00	19.74	3.50	3.52	7.00	7.53	10.90	48.07	" "
7.97	24.00	29.89	2.50	2.51	8.00	6.53	11.43	41.67	" "

A—No information on label.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
McMillen Feed Mills, Inc., Fort Wayne, Ind. (Continued)	
Free-Choice Growing Concentrate	Lineboro
Master Mix 40% Hog Concentrate	Hampstead
*Master Mix 36% Turkey Concentrate	Pylesville
Meadow Brooks Farms, Nazareth, Pa.	
Meadow Brook Farms Brand Superior Alfalfa Meal	Berlin
Menhaden Fish Meal Co., Baltimore, Md.	
Diamond-Sweet Molasses Meal	Detour
Pure Ground Fish Meal	Baltimore
60% Digester Tankage	Linwood
*60% Digester Tankage	Thurmont
The Merchants Milling Co., Hagerstown, Md.	
Magic 20% Dairy	Hagerstown
*Magic Poultry Mash	Hagerstown
*Magic Poultry Mash	Hagerstown
†Magic Hog Ration	Hagerstown
Metcalfe Brothers, Chestertown, Md.	
Chester 32% Feed	Chestertown
Chester Poult Mash	Chestertown
Montana Flour Mills Co., Cleveland, Ohio	
Montco Standard Middlings	Washington Grove
The Moore-Lowry Flour Mills, Co., Coffeyville, Kan.	
Bran	Pocomoke City
The Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Cambridge
Mureco Meat & Bone	Salisbury
Mureco Meat & Bone	Cambridge
Mureco Fish Meal	Cambridge
National Oats Co., Cedar Rapids, Iowa.	
Red–3 Feeding Oatmeal	Pocomoke City
The Neumond Co., St. Louis, Mo.	
Neumond's 28% Corn Distillers Grain	Hagerstown
Neumond's 17% Dehydrated Alfalfa Meal	Frederick
Norton & Co., Inc., Washington, D. C.	
Bone & Meat Scrap	Upper Marlboro

* Deficient in protein or fat.
† Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.55	30.00	34.22	2.00	3.04	7.00	6.52	18.90	29.77	As declared on label
7.61	40.00	39.78	3.50	3.61	8.00	5.83	22.18	20.99	" "
6.79	36.00	34.36	4.00	4.63	7.00	6.40	24.25	23.57	" "
7.63	17.00	17.02	2.00	2.59	27.00	25.92	10.70	36.14	" "
9.28	14.00	16.67	3.00	3.20	8.00	6.02	8.20	56.63	" "
6.41	58.00	59.06	6.00	8.87	2.00	.53	22.65	2.48	" "
7.34	60.00	60.99	6.00	7.38	3.00	3.06	19.35	1.88	" "
9.55	60.00	60.54	6.00	3.68	3.00	.78	23.20	2.25	" "
9.44	20.00	20.09	5.00	4.60	8.00	7.76	7.05	51.06	A.
11.74	18.00	16.41	4.00	4.02	7.00	6.10	9.40	52.33	As declared on lab. B.
11.33	16.00	17.11	4.00	3.41	7.00	5.96	8.05	54.14	" "
10.29	20.00	18.21	5.00	4.20	7.00	5.05	6.85	55.40	C.
7.39	32.00	32.56	4.00	4.92	10.00	9.29	8.85	36.99	As declared on label
8.08	20.00	21.06	5.00	4.94	14.00	9.08	8.95	47.89	" "
10.61	16.00	17.99	4.00	4.95	9.00	8.39	5.20	52.86	" "
9.33	14.00	17.99	3.50	4.82	11.00	8.62	5.60	53.64	" "
8.31	19.00	20.27	5.50	5.27	8.00	7.15	12.35	46.65	" "
5.53	55.00	55.99	6.00	10.09	2.00	1.91	26.30	.18	" "
6.61	50.00	50.02	6.00	9.73	2.00	1.86	31.60	.18	" "
5.52	45.00	46.25	6.00	9.67	2.00	1.53	36.80	.23	" "
5.08	55.00	59.76	6.00	13.49	2.00	.55	21.00	.12	" "
8.28	14.50	16.50	5.00	6.30	3.70	3.17	2.75	63.00	" "
5.47	28.00	28.61	7.00	8.19	15.00	14.56	1.65	41.52	" "
5.82	17.00	17.11	1.50	2.62	23.00	28.24	8.75	37.46	" "
5.68	50.00	50.02	8.00	9.26	2.00	2.07	32.44	.53	" "

A—Fat and Fibre guarantee and Ingredients on label differ from license.
B—Protein guarantee on label differs from license.
C—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil & BM	Denton
Ideal Growing Mash, with Cod Liver Oil & BM	Denton
Ideal Hog Feed	Denton
Ideal Turkey Mash, with Cod Liver Oil & BM	Denton
Geo. F. Obrecht Co., Baltimore, Md.	
Obaco 24% Dairy Feed	Baltimore
Obaco Broiler Ration	Baltimore
Obaco Pig & Hog Meal	Baltimore
Obaco Turkey Starter & Grower	Baltimore
Old Fort Mills Inc., Harrisburg, Pa.	
Old Fort Soybean Oil Meal	Baltimore
Old Fort Soybean Oil Meal	Frederick
Old Fort 32% Cow Mix	Cumberland
‡Old Clock 20% Dairy Feed	Cumberland
‡Old Fort Fattening Mash	Cumberland
Old Fort Hog Mix	Cumberland
Old Fort 18% Pig Meal	Cumberland
‡Old Fort Calf Mix, with Oil	Cumberland
‡Old Fort Rabbit Pellets	Cumberland
Pecos Valley Alfalfa Mill Co., Chandler, Ariz.	
*Peevee Alfalfa Leaf Meal	Princess Anne
Velvet Brand Alfalfa Meal	Frederick
Alfalfa Meal	Baltimore
Alfalfa Meal	Westminster
The Philadelphia Seed Co., Inc., Philadelphia, Pa.	
‡Purgrain Economy Special Pigeon Feed	Hagerstown
Maurice Pincoffs Co., Houston, Texas	
41% Protein Cottonseed Meal	Hampstead
41% Protein Cottonseed Meal	Baltimore
41% Protein Cottonseed Meal	Baltimore
Planters Edible Oil Co., Suffolk, Va.	
Planters 41% Protein Peanut Meal	Baltimore
Pratt Food Co., Buffalo, N. Y.	
Utility Sweet 32% Dairy Feed	Sudlersville
Utility Sweet 20% Dairy Feed	Hagerstown
Pratts Sweet 16% Dairy Feed	Baltimore
Pratts Laying Mash	Baltimore
Pratts Cak Cak Egg Mash	Baltimore
Pratts Cak Cak Egg Mash	Elkton
*Pratts Growing Mash	Baltimore
Utility Growing Mash	Elkton
Pratts C-Ka-Gene Ration	Sudlersville
Pratts C-Ka-Gene Ration	Baltimore
Pratts Broiler Mash	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
8.09	20.00	20.27	5.00	4.88	8.00	6.54	11.50	48.72	As declared on label	
7.98	15.00	15.36	4.00	3.74	6.00	5.16	9.80	57.96	"	"
9.09	12.00	15.45	5.00	5.02	6.00	4.18	7.00	59.26	"	"
8.15	18.00	17.99	4.50	5.87	8.00	6.77	8.50	52.72	"	"
11.54	24.00	23.61	4.00	5.61	12.00	10.74	7.86	40.64	"	"
11.54	18.00	19.13	4.00	4.71	7.00	6.99	9.65	47.98	"	"
9.11	15.00	14.92	3.50	4.31	7.00	7.79	4.60	49.27	"	"
7.95	20.00	20.01	4.50	5.94	7.00	12.14	5.25	48.71	"	" A.
10.01	41.00	41.24	5.00	5.04	7.00	6.21	6.85	30.65	"	"
7.59	41.00	45.17	5.00	8.06	7.00	6.35	6.15	26.68	"	"
8.61	32.00	32.69	4.00	4.83	11.00	9.92	8.50	35.45	"	"
8.68	20.00	23.17	4.00	5.01	12.00	11.10	7.47	44.57	"	" C.
8.88	14.00	15.88	4.00	4.12	7.00	7.08	5.85	58.19	"	"
6.18	40.00	40.81	4.00	5.39	7.50	7.47	10.45	29.70	"	"
6.27	18.00	20.80	3.50	4.73	8.50	12.57	7.80	47.83	"	"
9.26	21.00	22.38	4.00	4.08	7.00	6.92	5.80	51.56	"	"
7.42	13.00	13.34	3.50	3.70	10.00	6.59	6.95	62.00	"	"
6.94	20.00	17.99	2.50	2.73	18.00	18.31	10.70	43.33	"	"
7.51	17.00	18.16	1.50	2.26	27.00	22.54	9.85	39.68	"	"
7.33	13.00	14.22	1.50	2.11	33.00	28.87	10.45	37.02	"	"
5.88	13.00	15.01	1.50	2.00	33.00	33.27	7.95	35.89	"	"
10.96	10.00	12.03	2.00	3.78	4.00	2.42	3.13	67.68	"	"
6.97	41.00	41.07	5.00	6.39	14.00	12.05	5.60	27.92	"	" B.
8.05	41.00	43.44	5.00	6.20	14.00	11.90	5.75	24.66	"	" B.
8.29	41.00	43.44	5.00	6.15	14.00	11.10	6.20	24.82	"	" B.
6.03	41.00	41.86	6.00	7.68	10.00	5.11	5.95	33.37	"	"
9.55	32.00	35.01	3.50	4.25	9.00	6.22	7.98	36.99	"	"
10.02	20.00	20.29	3.50	3.48	12.00	10.34	7.90	47.97	"	"
9.52	16.00	16.61	3.00	3.21	12.00	12.07	8.40	50.19	"	"
7.67	20.00	21.76	3.50	4.34	7.25	6.86	10.30	49.07	"	"
8.16	18.00	18.16	3.50	4.39	8.00	8.02	9.05	52.22	"	"
8.11	18.00	17.72	3.50	4.31	8.00	6.55	9.50	53.81	D.	
8.17	17.50	18.95	3.50	2.23	7.00	6.71	11.40	52.54	As declared on label	
7.60	16.00	17.29	3.50	4.69	7.00	6.62	9.16	54.64	"	"
7.31	17.00	19.57	3.50	5.59	6.00	5.31	8.25	53.97	"	"
8.54	17.00	18.52	3.50	5.64	6.00	6.30	8.00	53.00	"	"
8.07	18.50	19.48	4.00	3.88	7.00	6.38	11.15	51.04	"	"

A—Protein and Fat guarantee on label differ from license.
B—Fibre guarantee on label differs from license.
C—Fat guarantee on label differs from license.
D—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Pratt Food Co., Buffalo, N. Y., (Continued)	
Pratts Special Fattening Mash	Baltimore
Pratts Worming Mash	Elkton
*Pratts Baby Chick Food	Sudlersville
Pratts Horse Feed, with Alfalfa	Baltimore
‡Sugared Oat Meal	Chestertown
Pratts Calf Meal	Sudlersville
Pratts Turkey Growing & Finishing Feed	Elkton
*Pratts Turkey Starter	Hagerstown
Pratts Rabbit Pellets	Baltimore
Purity Oats Co., Keokuk, Iowa	
*‡Oat Mill Feed	Maugansville
Quaker City Flour Mills, Inc., Hampstead, Md.	
Winter Wheat Bran	Owings Mills
Winter Wheat Middlings	Owings Mills
The Quaker Oats Co., Chicago, Ill.	
Ful-O-Pep Egg Breeder Mash	Mt. Lake Park
Big Egg Laying Mash	Mt. Lake Park
Ful-O-Pep Broiler Mash	Baltimore
Ful-O-Pep Crate Fattener	Federalsburg
Ful-O-Pep Crate Fattener	Baltimore
Quaker Sugared Schumacher Feed	Baltimore
Quaker Pig-N-Hog Feed	Mt. Lake Park
Quaker Pig-N-Hog Feed	Baltimore
Ful-O-Pep Turkey Grower	Baltimore
Ful-O-Pep Turkey Starter	Baltimore
Ralston Purina Co., St. Louis, Mo.	
Purina Cow Chow 34%	Rising Sun
Purina 32% Chowder	Thurmont
Purina Milk Chow (24%)	Frederick
Purina Cow Chow 24%	Rising Sun
Chowmix 20% Dairy Feed	Easton
Purina Milk Chow (20%)	Baltimore
Chowmix 16% Dairy Feed	Easton
Purina Egg Chow (Complete Ration)	Raspeburg
Chowmix Laying Mash	Easton
Chowmix Laying Mash "B"	Emmitsburg
Chowmix Laying Mash "B"	Monrovia
Purina Layena (Complete Ration)	Baltimore
Purina Layena (Complete Ration)	Rising Sun
Chowmix Growing Mash	Easton
*Purina Broiler Chow	Baltimore
Purina Broiler Chow	Pocomoke City
Purina Chick Growena	Baltimore
Purina Chick Growena	Rising Sun
Purina Omolene	Baltimore
Purina Hog Chow Supplement	Monrovia
Chowmix Hog Feed	Easton

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.11	12.00	13.51	4.25	3.94	6.75	6.33	5.80	61.31	As declared on label
8.86	20.00	22.90	3.50	4.53	7.25	5.83	10.66	47.22	" "
9.85	17.00	18.87	3.50	2.86	6.00	6.18	7.45	54.79	" "
9.72	9.00	10.22	2.50	3.07	14.00	12.10	4.10	60.79	" "
8.38	4.50	7.21	1.50	1.78	28.00	20.98	6.94	54.71	" "
11.43	24.50	26.59	4.00	3.73	4.00	4.28	8.30	45.67	" "
8.07	21.00	20.71	4.50	4.12	7.50	7.24	10.90	48.96	" "
8.96	25.00	27.03	4.50	3.77	6.00	6.39	12.25	41.60	" "
7.99	14.00	16.76	3.00	3.62	10.00	8.69	7.50	55.44	" "
6.81	5.00	5.79	2.50	1.44	31.50	24.11	6.85	55.00	" "
9.78	13.50	14.39	3.25	4.24	10.50	9.81	6.85	54.93	" "
10.07	13.00	14.92	4.00	4.48	7.00	5.78	3.80	60.95	" "
8.32	20.00	20.71	4.50	6.04	8.00	6.16	9.20	49.57	" "
8.90	20.00	20.96	4.00	5.31	8.00	6.37	6.89	51.57	" "
8.02	19.00	20.80	4.50	4.76	7.00	5.85	5.55	55.02	" "
9.15	13.00	14.57	4.00	4.39	7.50	6.78	4.20	60.91	" "
8.14	13.00	14.22	4.00	4.26	7.50	7.01	3.85	62.52	" "
7.45	10.00	11.38	3.00	3.52	12.00	11.78	7.85	58.02	" "
8.49	16.00	18.87	3.50	4.84	10.00	6.63	9.25	51.92	" "
7.64	16.00	19.31	3.50	4.60	10.00	8.10	9.95	50.40	" "
7.72	20.00	20.36	4.50	4.55	8.00	6.38	7.75	53.24	" "
7.82	26.00	26.15	5.00	5.12	7.00	5.55	10.05	45.31	" "
9.41	34.00	36.20	4.00	4.41	11.00	7.15	9.58	33.25	" "
7.48	32.00	34.66	3.50	5.62	9.00	8.43	14.40	29.41	" "
9.61	24.00	26.68	3.50	3.63	11.00	7.56	9.35	43.17	" "
9.97	24.00	25.30	4.00	4.71	11.00	7.39	7.54	45.09	" "
9.39	20.00	21.32	3.50	4.55	12.00	8.54	7.15	49.05	" "
6.98	20.00	22.90	3.50	3.62	11.00	8.39	8.30	49.81	" "
9.18	16.00	17.79	3.00	3.71	12.00	9.30	5.58	54.44	" "
8.86	15.50	16.58	3.50	4.22	8.00	6.85	8.90	54.59	" "
7.87	20.00	22.29	3.50	4.24	8.00	5.40	7.85	52.35	" "
9.29	18.00	18.87	3.50	3.59	8.00	5.03	6.45	56.77	" "
9.17	18.00	18.08	3.50	4.09	8.00	5.55	6.55	56.56	" "
8.30	15.50	17.99	3.50	4.68	8.00	6.80	9.95	52.28	" "
9.51	15.50	17.20	3.50	5.93	8.00	5.71	8.40	53.25	" "
8.36	17.00	18.25	3.50	4.18	7.00	4.40	6.05	58.76	" "
11.99	18.00	21.67	3.50	2.88	7.00	7.02	6.95	49.49	" "
9.27	18.00	20.71	3.50	4.85	7.00	5.69	7.15	52.33	" "
9.12	15.00	16.50	3.50	4.63	7.00	6.55	5.80	57.40	" "
9.11	15.00	17.11	3.50	4.53	7.00	6.19	5.40	57.66	" "
8.58	10.00	10.77	3.20	3.95	11.00	8.08	4.16	64.46	" "
8.52	36.00	36.98	3.00	4.27	14.00	11.36	13.73	25.14	" "
9.90	14.00	15.09	3.50	4.18	7.00	3.73	3.33	63.77	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ralston Purina Co., St. Louis, Mo. (Continued)	
Chowmix Hog Feed	Emmitsburg
Chowmix Hog Feed	Hagerstown
Purina Calf Startena	Baltimore
Purina Turkey Layena (Complete Ration)	Frederick
Purina Turkey Growena	Easton
Purina Turkey Growing Chow	Baltimore
Purina Turkey Growing Chow	Reisterstown
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Baltimore
Red Lion Mill, Millington, Md.	
*Red Lion Mill Laying Mash	Millington
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat & Bone Scrap	Middleburg
Thomas R. Reeve, Toledo, Ohio, Registered by the Richards Milling Co., Cortland, Ohio	
‡Richards Success Laying Mash	Cumberland
The Reindollar Co., Taneytown, Md.	
20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytown
Egg Mash	Taneytown
32% Hi-Concentrate	Taneytown
Pig & Hog Meal	Taneytown
The Richards Milling Co., Cortland, Ohio	
*Richards 16% Dairy Feed	Cumberland
Richards Cash Laying Mash	Friendsville
Richards Special Chop	Lonaconing
Richards Pig & Hog Meal	Cumberland
Richardson Brothers, Westminster, Md.	
Richardson's Honey Boy 24% Dairy	Westminster
Richardson's Honey Boy Laying Mash, with DSM., Cod Liver Oil and Dr. Hess Panamin	Westminster
Richardson's Honey Boy Laying Mash	Westminster
Richardson's Honey Boy Pig & Hog Meal	Westminster
Rinaman & Brown, Hampstead, Md.	
Browns Egg Mash	Hampstead
Rio Grande Valley Citrus Exchange, Atlanta, Ga., Registered by Ashcraft-Wilkinson Co., Atlanta, Ga.	
Texsun Citrus Pulp, with Molasses	Medford
Robinson Brothers, Cardiff, Md.	
*Robinson's 32% Dairy Ration	Darlington
*Robinson's 24% Dairy Ration	Darlington
*Robinson's 20% Dairy Ration	Darlington
Robinson's Egg Mash	Cardiff

* Deficient in protein or fat.
s Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.68	14.00	15.85	3.50	4.06	7.00	4.96	3.78	61.67	As declared on label
7.50	14.00	14.75	3.50	3.81	7.00	4.80	4.12	65.02	" "
8.45	19.50	21.06	3.00	3.23	9.50	8.76	8.00	50.50	" "
9.41	16.50	17.64	3.50	4.14	8.00	6.14	8.80	53.87	" "
9.14	18.00	18.87	4.00	4.20	7.00	6.40	7.30	54.09	" "
8.66	21.00	22.38	3.50	4.77	8.00	7.00	8.80	48.39	" "
8.47	21.00	22.99	3.50	4.44	8.00	7.07	8.95	48.08	" "
7.31	13.50	17.20	2.50	3.46	16.00	13.03	6.10	52.90	" "
7.65	20.00	18.95	4.00	4.02	9.00	8.46	7.37	53.55	" "
5.28	50.00	52.21	10.00	10.64	2.25	1.72	27.85	2.30	" "
8.48	20.00	21.59	3.00	4.78	8.00	8.14	7.40	49.61	" "
7.79	20.00	23.08	4.00	3.91	12.50	8.69	9.45	47.08	" "
8.75	16.00	16.76	3.00	3.26	11.00	11.50	7.60	52.13	" "
8.87	20.00	20.88	4.00	4.67	8.00	7.08	11.10	47.40	" "
7.36	32.00	31.94	4.00	4.93	12.00	10.43	9.30	36.04	" "
8.70	16.50	17.99	4.50	4.02	7.00	6.31	10.55	52.43	" "
10.28	16.00	21.19	3.00	1.79	12.00	9.58	9.62	47.54	" "
7.66	20.00	20.45	3.00	4.52	8.00	6.81	7.00	53.56	" "
9.25	8.00	9.83	3.00	2.69	12.00	8.92	6.20	63.11	" "
8.02	16.00	18.43	4.00	4.17	8.00	9.39	8.90	51.09	" "
11.12	24.00	25.12	4.00	4.31	8.00	7.12	7.61	44.72	" "
10.74	20.00	20.65	4.00	3.95	8.00	6.32	10.40	47.94	" "
9.82	20.00	20.05	4.00	4.33	8.00	6.93	9.18	49.69	" "
8.37	16.00	15.90	3.50	3.96	6.50	6.04	7.75	57.98	" "
9.07	18.00	21.32	4.00	3.63	6.00	6.46	7.65	51.87	A.
8.67	5.50	6.06	1.85	3.42	10.75	9.71	8.89	63.25	As declared on label
8.85	32.00	32.51	4.00	3.02	9.50	7.18	8.57	39.87	" "
9.43	24.00	25.58	4.00	3.27	11.00	8.59	7.98	45.15	" "
10.00	20.00	20.33	4.00	3.14	11.00	9.02	7.96	49.55	" "
9.03	20.00	19.92	4.00	3.99	8.00	7.23	8.26	51.57	" "

A—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Robinson & Jackson, Baltimore, Md.	
‡Rob-Jack Brand Rye Distillers Grains	Cardiff
W. D. Roe & Son, Sudlersville, Md.	
Roe's Lay More Mash	Sudlersville
‡Supplemental Hog Feed	Sudlersville
Rohloff Brothers, Inc., Trowbridge, Ohio	
‡No. 1 Fine Ground Quality Alfalfa Meal	Gaithersburg
C. E. Routzahn, Breathedsville, Md.	
Routzahn's Dairy Feed	Breathedsville
Routzahn's Laying Mash	Breathedsville
Routzahn's Hog Feed	Breathedsville
Russell-Miller Milling Co., Minneapolis, Minn.	
Hard Wheat Occident Standard Middlings	Hampstead
Hard Wheat Occident Flour Middlings	Baltimore
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Pig & Hog Meal	St. Michaels
Quillin's Turkey Growing Mash	St. Michaels
Saunders Mills, Inc., Toledo, Ohio	
Carotene Brand Poultry Meal Dehydrated Alfalfa Meal	Hagerstown
Carotene Brand Extra Fine Dehydrated Meal	Hagerstown
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat & Bone Scrap	Hagerstown
Esskay Quality Meat & Bone Scrap	Hagerstown
Esskay Quality Digester Tankage	Chestertown
Schoeneck Farms, Inc., Nazareth, Pa.	
*‡Keystone Brand Dehydrated Alfalfa Meal	Derwood
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Meat & Bone Scraps	Elkton
Sea Board Fish Meal	Preston
Joseph E. Seagram & Sons, Inc., Louisville, Kentucky	
*Seagram's Corn Distillers Dried Grains	Hagerstown
Charles H. Seward, Raspeburg, Md.	
*Golden Glow Laying Mash	Raspeburg
Sherwin Williams Co., Cleveland, Ohio	
Sherwin Williams Pure O. P. 34% Linseed Meal	Hagerstown
Howard R. Shockley, Goldsboro, Md.	
*Goldsboro Home Mixed Mash	Goldsboro

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.69	16.00	16.06	5.00	6.01	20.00	18.86	1.28	50.10	As declared on label
9.39	18.00	18.95	4.75	4.83	9.25	6.11	8.75	51.97	" "
9.05	15.00	15.41	3.50	3.65	6.00	5.13	4.55	62.21	A.
8.05	13.00	14.92	1.00	1.42	33.00	32.06	8.15	35.40	As declared on label
15.53	16.00	15.97	4.00	3.55	6.00	6.76	7.00	51.19	" " B.
9.32	18.00	17.94	4.00	4.32	7.00	6.66	12.75	49.01	" "
10.10	17.00	17.20	4.00	4.10	5.00	4.86	8.60	55.14	" "
8.66	15.00	18.69	4.00	5.23	9.50	8.32	5.20	53.90	" "
10.39	15.50	20.09	4.00	4.62	5.00	3.72	3.81	57.37	" "
7.67	20.00	20.36	5.00	5.57	7.00	6.45	10.60	49.35	" "
7.89	15.00	16.41	4.50	4.45	6.00	4.55	7.25	59.45	" "
8.28	20.00	21.50	4.50	4.54	7.00	6.41	8.85	50.42	" "
5.26	17.00	19.48	1.50	2.81	28.00	26.82	10.05	35.58	" " C.
8.15	13.00	15.36	1.50	1.36	33.00	30.87	7.45	36.81	" "
5.45	50.00	49.93	6.00	7.07	5.00	1.42	33.90	2.23	" "
5.99	45.00	45.11	6.00	9.79	5.00	.67	38.35	.09	" "
5.45	60.00	60.02	8.00	8.50	5.00	1.27	24.60	.16	" "
7.44	20.00	17.46	2.00	2.49	20.00	23.93	9.35	39.33	" "
6.13	50.00	49.93	10.00	11.74	2.00	1.73	32.25	.....	D.
5.29	55.00	64.06	6.00	13.07	3.00	.27	17.20	.11	As declared on lab. C.
7.62	28.00	26.59	8.00	8.20	14.00	9.81	3.95	43.83	" "
9.07	20.00	20.01	4.00	4.24	7.00	6.40	10.40	49.88	" "
7.48	34.00	34.75	4.50	6.12	9.00	8.29	6.10	37.26	" " E.
8.21	20.00	20.27	4.50	3.88	8.00	8.75	10.60	48.29	" "

A—No information on label.
B—Fat and fibre on label differs from license.
C—Fibre guarantee on label differs from license.
D—Meat tissues, Blood and Bone.
E—Acid Insoluble Ash 0.34%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
M. L. Shoemaker, Philadelphia, Pa.	
Shoemaker's "Swift-Sure" Ground Meat & Bone Scraps for Poultry	Salisbury
Shoemaker's "Swift-Sure" Ground Meat & Bone Scraps for Poultry	Easton
Shoemaker's "Swift-Sure" Ground Meat & Bone Scraps for Poultry	Newark
Shoemaker's "Swift-Sure" Ground Meat & Bone Scraps for Poultry	Pocomoke City
The W. J. Small Co., Neodesha, Kan.	
Keystone Fine Ground Dehydrated Alfalfa Leaf Meal	Pocomoke City
Keystone 17% Fine Ground Dehydrated Alfalfa Meal	Salisbury
H. Ray Smith, Doubs, Md.	
Lo-Cost Pig Meal	Doubs
The Southern Cotton Oil Co., Atlanta, Ga.	
‡Sco-Co Brand 41% Prime Quality Cotton Seed Meal	Elkton
Southern States Cooperative Mills, Inc., Baltimore, Md.	
32% Supplemental Dairy Feed	Baltimore
32% Supplemental Dairy Feed	Cardiff
Super Milk Maker	Baltimore
Milk Maker	Baltimore
Milk Maker	Cardiff
24% Dairy	Baltimore
Summer Dairy	Baltimore
Summer Dairy	Cardiff
20% Dairy	Baltimore
20% Dairy	Cardiff
Super Exchange Dairy	Baltimore
Exchange Dairy	Baltimore
18% Dairy	Baltimore
16% Dairy	Baltimore
16% Dairy	Hagerstown
Laying Mash, with Alfalfa Meal (Pelleted)	Baltimore
Laying Mash, with Alfalfa Meal	Baltimore
Laying Mash, with Alfalfa Meal	Cardiff
Market Laying Mash	Baltimore
Market Laying Mash	Cardiff
Super Laying Mash	Baltimore
Super Laying & Breeding Mash (Pelleted)	Baltimore
Special Laying & Breeding Mash	Baltimore
Special Laying & Breeding Mash	Hagerstown
Growing Mash (Pelleted)	Baltimore
Growing Mash	Salisbury
Broiler Mash	Baltimore
Broiler Mash	Salisbury
Chick & Broiler Mash	Baltimore
Flushing Mash	Baltimore
Starting & Growing Mash	Cardiff

‡ Sampled before registration.
A—Unable to detect Linseed Oil Meal.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.58	50.00	51.25	6.00	10.43	3.00	1.94	27.85	1.95	As declared on label
5.38	50.00	50.72	6.00	10.87	3.00	1.63	31.00	.40	" "
6.47	50.00	50.28	6.00	9.28	3.00	2.46	36.75	.....	" "
5.99	45.00	44.49	6.00	9.84	3.00	2.28	35.95	1.45	" "
6.69	20.00	23.52	2.50	2.92	18.00	16.93	14.55	35.39	" "
6.96	17.00	19.39	1.75	2.97	27.00	21.99	12.05	36.64	" "
9.18	14.00	14.22	4.00	3.94	7.00	3.86	4.30	64.50	A.
7.46	41.00	41.07	5.00	5.79	13.00	10.71	7.52	27.45	As declared on label
9.24	32.00	32.79	4.00	4.65	10.00	7.89	8.08	37.35	" "
9.32	32.00	34.75	4.00	4.36	10.00	7.57	7.57	36.43	" "
8.79	24.00	24.82	4.50	4.77	9.50	6.29	6.25	49.08	" "
9.69	24.00	24.41	4.00	4.57	10.00	6.51	6.27	48.55	" "
10.80	24.00	24.52	4.00	4.47	10.00	7.27	6.08	46.86	" "
9.75	24.00	24.83	2.50	3.94	12.00	10.99	7.02	43.47	" "
9.38	20.00	20.06	3.00	4.96	10.00	7.24	3.91	54.45	" "
9.17	20.00	21.16	3.00	4.81	10.00	7.28	4.23	53.35	" "
10.01	20.00	21.40	2.50	3.90	12.00	10.42	6.69	47.58	" "
9.90	20.00	20.80	2.50	3.80	12.00	10.42	5.87	49.21	" "
8.01	20.00	21.46	4.50	5.48	9.50	8.27	5.44	51.34	" "
10.29	20.00	20.30	4.00	5.08	10.00	6.46	4.95	52.92	" "
10.31	18.00	19.64	2.50	3.74	12.00	9.81	6.73	49.77	" "
8.42	16.00	17.28	2.50	3.68	12.00	10.57	6.25	53.80	" "
9.43	16.00	16.67	2.50	3.20	12.00	10.36	6.61	53.73	" "
7.71	20.00	20.71	4.00	5.50	7.00	6.46	10.15	49.47	" "
8.46	20.00	20.01	4.00	5.02	7.00	6.41	10.25	49.85	" "
8.40	20.00	20.71	4.00	4.92	7.00	6.53	11.34	48.10	" "
9.43	20.00	20.53	4.00	4.34	7.00	5.54	9.95	50.21	" "
7.89	20.00	21.76	4.00	5.28	7.00	5.71	10.58	48.78	" "
7.77	19.50	19.74	4.00	5.21	7.00	5.91	9.95	51.42	" "
8.06	19.50	20.36	4.00	5.93	7.00	6.37	10.00	49.28	" "
8.14	19.50	19.48	4.00	4.97	7.00	6.51	7.90	53.00	" "
9.15	19.50	20.53	4.00	4.37	7.00	6.04	9.10	50.81	" "
7.19	17.50	18.43	4.00	4.65	6.50	6.42	8.10	55.21	" "
8.94	17.50	17.46	4.00	5.01	6.50	5.58	8.30	54.71	" "
8.62	18.00	18.16	4.00	4.46	6.50	6.46	7.70	54.60	" "
8.31	18.00	18.87	4.00	4.91	6.50	5.93	7.85	54.13	" "
8.51	17.50	17.64	4.00	4.63	6.50	6.37	8.10	54.75	" "
6.71	18.50	19.83	3.00	4.74	4.50	4.04	10.30	54.38	" "
8.51	17.50	18.87	4.00	3.92	6.50	6.15	7.50	55.05	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Southern States Cooperative Mills, Inc., Baltimore. Md. (Cont.)	
Ground Horse Feed	Baltimore
Horse Feed	Baltimore
Supplemental Hog Feed	Baltimore
Hog Feed	Baltimore
Calf Starter	Baltimore
Turkey Growing Mash (Pelleted)	Baltimore
Turkey Growing Mash	Cardiff
Turkey Starting Mash (Pelleted)	Baltimore
Turkey Starting Mash	Baltimore
Special Turkey Starting Mash	Baltimore
Soya Processing Co., Wooster, Ohio	
Wooster Brand Soy Bean Oil Meal	Baltimore
Springfield Roller Mills, Sykesville, Md.	
Hering's Dairy Feed 16%	Sykesville
*Hering's Laying Mash	Sykesville
Hering's Pig Meal	Sykesville
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Corn Gluten Feed	Hagerstown
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville
Stanton's Scratch Grain	Grantsville
E. Steen & Brother, Baltimore, Md,	
Lady Maryland Dairy Feed	Baltimore
Little Boy Blue Dairy Feed	Baltimore
Spring Garden Egg Mash	Baltimore
Golden Goose Laying Mash, with BM	Baltimore
Golden Goose Growing Mash	Baltimore
‡Golden Goose Wonderful Fat In A Hurry Poultry Mash	Medford
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Su-Pur Sweet 32% Mixing Ration	Rising Sun
Magnolia Sweet 24% Dairy Feed	Rising Sun
Stickell's Sweet 24% Milk Maker	Hagerstown
*Snap Sweet 20% Dairy Feed	Rising Sun
‡Su-Pur 34% Mash Supplement	Emmitsburg
Blue Ridge Egg Mash	Rising Sun
Su-Pur Growing Mash	Rising Sun
‡Blue Ridge Breeding Mash	Salisbury
‡Blue Ridge Conditioning Mash	Berlin
Blue Ridge Broiler Mash	Berlin
*‡Stickell's Stock Feed	Glyndon
*Su-Pur 36% Pig & Hog Supplement	Rising Sun
‡Zip Pig & Hog Ration	Glyndon
Su-Pur All Mash Turkey Starter	Forest Hill
Su-Pur Turkey Growing Mash	Forest Hill
‡Su-Pur Rabbit Pellets	Glyndon

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.13	10.00	11.46	2.50	3.89	8.50	7.09	4.56	62.87	As declared on label
9.66	9.00	11.78	3.00	3.35	9.00	6.61	3.91	64.69	" "
9.25	40.00	40.78	4.50	5.30	7.00	5.24	10.23	29.20	" "
9.99	14.00	15.62	3.50	4.94	6.00	5.64	6.45	57.36	" "
10.02	18.00	18.08	3.00	3.92	4.00	4.04	5.00	58.94	" "
7.74	20.00	20.53	4.00	4.95	7.00	6.34	6.05	54.39	" "
9.77	20.00	20.53	4.00	3.62	7.00	5.75	7.16	53.17	" "
7.61	24.00	23.34	4.00	4.73	7.00	7.08	8.75	48.49	" "
8.33	24.00	24.31	4.00	4.91	7.00	6.81	9.75	45.89	" "
7.97	24.00	23.25	4.00	5.60	7.00	6.51	10.80	45.87	" "
9.60	41.00	43.44	4.00	4.70	7.00	6.07	6.70	29.49	" "
11.07	16.00	15.47	3.50	4.04	9.50	7.71	6.25	55.46	" "
8.64	20.00	18.79	5.00	4.66	7.00	6.25	10.56	51.10	" "
9.30	18.00	18.50	3.50	4.32	5.00	5.44	7.19	55.25	" "
8.01	25.00	26.59	1.50	2.15	8.00	5.80	10.12	47.33	" "
8.78	20.00	19.04	4.00	4.56	7.00	7.10	10.30	50.22	A.
10.73	10.00	10.37	2.50	3.12	5.00	1.98	2.09	71.71	" "
7.05	24.00	26.39	4.00	4.04	9.00	10.09	7.37	45.06	B.
9.02	16.00	18.25	3.50	3.57	13.00	8.91	8.19	52.06	C.
10.55	18.00	19.74	4.00	3.86	10.00	7.38	9.85	48.62	As declared on label
9.88	20.00	20.88	4.00	4.74	9.00	6.41	9.60	48.49	" "
10.24	18.00	18.43	4.00	3.79	8.50	8.23	9.75	49.56	" "
9.22	13.00	13.34	4.00	4.28	6.00	3.26	3.55	66.35	" "
9.63	32.00	32.65	4.50	4.61	10.00	7.37	8.38	37.36	" "
8.78	24.00	26.59	3.50	3.38	12.00	9.71	9.25	42.29	" "
9.68	24.00	28.75	4.00	4.36	10.00	7.85	7.55	41.81	" "
9.00	20.00	22.59	3.00	2.16	12.00	10.66	9.09	46.50	" "
8.66	34.00	33.61	4.50	5.00	6.00	6.51	10.75	35.47	" "
8.61	20.00	20.97	5.00	5.11	6.00	5.46	9.14	50.71	" "
8.86	17.00	17.29	4.00	5.18	6.00	4.61	10.74	53.32	" "
8.76	20.00	20.97	5.00	5.83	6.00	6.37	10.70	47.37	" "
10.09	15.00	17.72	4.00	5.99	5.50	6.37	7.80	52.03	" "
10.13	18.00	18.08	4.00	3.92	5.50	4.72	8.20	54.95	" "
8.62	9.00	8.42	3.50	2.83	12.00	12.03	8.20	59.90	B.
10.71	36.00	34.29	3.50	4.82	10.00	7.23	11.36	31.59	As declared on label
8.53	14.00	15.09	3.25	4.21	6.50	5.75	9.72	56.70	" "
7.87	22.00	21.24	4.00	5.95	6.00	5.39	11.55	48.00	" "
8.89	17.00	19.04	4.00	6.04	6.00	7.39	8.58	50.06	" "
8.56	17.00	18.95	3.00	3.94	8.50	7.33	6.80	54.42	" "

A—Fibre guarantee on label differs from license.
B—Ingredients on label differ from license.
C—Unable to detect Peanut Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Stratton Grain Co., Milwaukee, Wis.	
‡Hi-Quality Brewers Dried Grains	Bel Air
The Chas. M. Struven Co., Baltimore, Md.	
*Struven's Fish Meal	Breathedsville
Struven's Fish Meal	Princess Anne
Struven's Fish Meal	Breathedsville
Struven's Fish Meal	Princess Anne
Struven's Fish Meal	Baltimore
Struven's Fish Meal	Hagerstown
Supplee-Willis-Jones Milk Co., Philadelphia, Pa.	
S. W. J. Dried Skim Milk	Westover
Swift & Co., Newark, N. J.	
Swift's Meat & Bone Scraps	Salisbury
Swift's Digester Tankage	Frederick
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig & Hog Feed	Taneytown
Thomas & Co., Gaithersburg, Md.	
"Excelsior" Dairy Feed	Gaithersburg
"Economy" Dairy Feed	Gaithersburg
*"Makan-Eg" Egg Mash	Gaithersburg
Thomas Supply Co., Adamstown, Md.	
Thomas 16% Milk Maker	Adamstown
Thurmont Milling & Supply Association Coop., Inc., Thurmont, Md.	
32% Dairy Feed	Thurmont
16% Dairy Feed	Thurmont
Thurmont Laying Mash	Thurmont
Thurmont Hog Meal	Thurmont
Tioga Mills, Inc., Waverly, N. Y.	
Ti-O-Ga Big Bag Dairy Feed	Hurlock
‡Ti-O-Ga Flusher	Hurlock
T-O-Ga Turkey Grower	Hurlock
Turkatine	Hurlock
The Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Arizona.	
Arizona Brand Alfalfa Leaf Meal	Baltimore
*Tremaine Brand Alfalfa Meal	Pocomoke City
Trexler Farms, Allentown, Pa.	
‡Buffalo Brand Dehydrated Alfalfa Meal	Chestertown
‡Buffalo Brand Dehydrated Alfalfa Meal	Maugansville
Truslow Poultry Farm, Inc., Chestertown, Md.	
Truslow Approved Poultry Mash	Chestertown

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.16	24.00	30.36	5.00	5.20	19.00	17.46	3.50	36.32	As declared on lab. B.
6.82	55.00	53.88	4.00	8.09	2.00	1.78	25.85	2.58	C.
6.45	55.00	55.46	4.00	9.58	2.00	.51	24.75	3.25	As declared on label
4.73	55.00	55.99	4.00	11.77	2.00	.31	25.05	2.15	" "
6.35	55.00	63.62	4.00	5.13	2.00	.39	18.50	6.01	" "
5.96	55.00	55.02	4.00	6.75	2.00	.68	27.10	4.49	" "
7.41	55.00	57.83	4.00	6.16	2.00	.47	22.16	5.97	" "
.....	32.00	35.10	.50	X.50	.....	.....	7.85	.....	" " D.
5.84	50.00	49.06	6.00	12.52	3.00	1.95	31.70	.....	" "
10.69	60.00	61.43	5.00	6.94	3.00	3.49	12.05	5.40	A.
8.89	18.00	18.87	4.50	4.54	6.75	6.13	9.70	51.87	As declared on label
9.88	18.00	21.06	4.25	4.19	6.75	8.19	6.45	50.23	" "
9.08	24.00	25.10	5.00	4.76	9.00	8.37	6.54	46.15	E.
9.29	20.00	20.71	4.50	4.63	9.00	8.55	5.80	51.02	As declared on label
9.39	20.00	19.57	5.00	4.03	9.00	6.76	8.70	51.55	" "
9.80	16.00	19.03	3.60	4.64	12.00	13.38	7.35	45.80	" " B.
8.68	32.00	34.21	3.00	4.52	7.00	8.44	7.31	36.84	E.
8.05	16.00	16.16	3.00	3.20	14.00	10.11	7.72	54.76	As declared on label
7.88	20.00	19.57	4.00	5.47	9.00	6.77	7.70	52.61	" "
9.29	16.00	18.08	5.00	4.72	14.00	4.81	6.45	56.65	" "
11.56	12.00	14.42	1.75	2.58	14.00	14.26	8.26	48.92	As declared on label
8.39	17.00	20.45	3.00	3.63	5.50	4.98	7.95	54.60	F.
7.90	19.00	20.45	4.00	4.34	8.00	7.16	9.15	51.00	As declared on label
8.88	23.00	25.45	4.00	5.01	7.50	7.47	9.90	43.29	" "
6.80	20.00	18.12	2.50	1.63	18.00	21.38	11.00	41.07	" "
7.81	16.00	13.25	2.00	1.57	25.00	28.69	11.10	37.58	" "
4.22	15.00	16.41	2.00	2.64	30.00	25.06	9.10	42.57	" "
4.85	15.00	16.15	2.00	2.86	30.00	26.45	8.90	40.79	" "
9.98	18.00	18.16	3.75	3.43	8.00	6.81	6.95	54.57	" "

A—Also detected an excessive amount of Vegetable Fibrous Material.
B—Fibre guarantee on label differs from license.
C—Also contains Crab Meat.
D—Protein on label differs from license.
E—Ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.
F—No information given.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Tull Brothers, Seaford, Del.	
Tull's Best Layer & Breeders Mash	
The Ubiko Milling Co., Cincinnati, Ohio	
Life Guard Dairy Supplement	Sellman
‡Life Guard Dairy Supplement	Barnesville
‡Ubiko Egg Mash (Pelleted)	Barnesville
‡Ubiko Broiler Ration	Barnesville
‡Ubiko Fattening Mash	Barnesville
‡Ubiko Pig & Sow Ration	Barnesville
‡Ubiko Turkey All Mash Growing Pellets	Barnesville
‡Ubiko Turkey Starter & Grower	Barnesville
Ultra-Life Laboratories, Inc., East St. Louis, Ill.	
Ultra-Life Concentrate	Walkersville
Union Rendering Co., Inc., Baltimore, Md.	
*‡Union Ren Meat Scrap	Sudlersville
‡Union Ren Meat Scrap	Monrovia
Nocako	Sudlersville
The Van Iderstine Co., Long Island City, N. Y.	
Vico High Protein Meat and Bone Scraps for Poultry	Denton
Vico High Protein Meat and Bone Scraps for Poultry	Hampstead
Vico Quality Meat and Bone Scraps for Poultry	Pocomoke City
Vico Quality Meat & Bone Scraps for Poultry	Taneytown
Vico Quality Meat and Bone Scraps for Poultry	Berlin
Vico Quality Meat and Bone Scraps for Poultry	Frederick
Vitality Mills, Inc., Chicago, Ill.	
‡Domino 24½% Dairy Feed	Ellicott City
Vitality Homestead Egg Mash	Baltimore
Vitality Homestead Growing Mash	Baltimore
‡Vitality Game Bird Grower	Baltimore
‡Vitality Game Bird Breeder Ration	Baltimore
*‡Vitality Game Bird Starter	Baltimore
‡Vitality Poultry Fattener	Baltimore
Vitality Homestead Starting and Growing Mash	Baltimore
Special Rosebro Horse Feed	Baltimore
‡Domino Growing and Fattening Turkets	Barnesville
Vitality Rabbit Ration, with Pellets	Baltimore
Walsh & Co., Stemmers Run, Md.	
Ken-Wal Prize Laying Mash	Stemmers Run
Ken-Wal Prize Broiler Ration	Stemmers Run
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Hog Feed	Baltimore
Weigel Brothers, Oxford, Pa.	
Pure Soft Winter Wheat Middlings	Colora

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.65	20.00	20.01	5.00	5.34	8.00	5.15	12.00	48.85	A.	
10.81	26.00	28.07	4.00	4.63	9.00	8.24	10.13	38.12	As declared on label	
9.57	26.00	26.34	4.00	4.07	9.00	8.91	11.70	39.41	"	"
8.31	20.00	22.11	4.00	4.49	6.00	4.61	13.05	47.43	"	"
9.46	18.00	20.45	4.00	4.03	6.50	5.72	8.55	51.79	"	"
8.44	14.00	15.62	4.00	5.71	6.00	5.46	4.85	59.92	"	"
8.59	16.00	16.67	4.00	4.54	7.00	6.95	9.70	53.55	"	"
9.02	16.00	17.20	4.00	4.29	6.00	5.53	9.50	54.46	"	"
8.96	25.00	25.97	4.00	3.60	6.00	5.61	12.20	43.66	"	"
8.14	22.00	24.04	6.50	9.38	5.50	4.02	8.80	45.62	"	"
5.47	50.00	47.39	5.00	11.26	3.00	2.21	33.65	.02	"	"
6.04	50.00	50.03	5.00	9.75	3.00	2.64	30.15	1.39	"	"
6.53	10.00	11.67	2.00	4.46	8.00	8.49	5.70	63.15	"	"
7.16	55.00	57.13	3.00	4.03	3.00	2.14	28.55	.99	"	"
7.19	55.00	59.67	3.00	4.66	3.00	3.18	25.25	.05	"	"
7.18	50.00	50.46	3.00	6.65	3.00	1.28	36.05	.....	"	"
6.79	50.00	52.21	3.00	4.72	3.00	2.27	32.10	1.91	"	"
6.21	50.00	53.35	3.00	4.59	3.00	1.89	32.55	1.41	"	"
7.01	50.00	50.72	3.00	6.02	3.00	2.34	33.80	.11	"	"
9.03	24.50	25.66	4.50	4.19	9.00	8.21	9.48	43.43	"	"
7.68	18.00	18.16	3.50	4.01	8.00	7.57	9.90	52.68	"	"
7.92	16.00	17.02	3.50	4.62	8.00	7.98	10.45	52.01	"	"
7.00	26.00	26.68	4.00	4.67	8.00	7.02	11.05	43.58	"	"
7.66	22.00	23.08	4.00	5.85	8.00	7.99	11.15	44.27	"	"
7.11	30.00	28.43	4.00	4.65	8.00	5.55	16.55	37.71	"	"
9.76	12.50	14.22	4.50	4.13	6.00	5.89	8.25	57.75	"	"
7.70	16.00	17.99	3.50	3.81	7.00	7.04	11.25	52.21	"	"
9.67	9.00	9.72	2.00	3.16	11.00	6.23	5.39	65.83	"	"
8.29	18.00	18.16	4.00	4.31	8.00	7.81	7.90	53.53	"	"
9.80	13.00	14.50	3.50	3.19	15.00	14.60	6.55	51.36	"	"
9.06	20.00	19.39	4.00	4.64	7.00	5.59	10.50	40.82	"	"
8.81	18.00	19.04	4.00	4.46	6.00	4.82	10.40	52.47	"	"
8.57	15.25	17.72	2.98	4.02	7.33	9.28	7.80	52.61	"	"
7.29	14.00	13.95	4.00	3.95	8.00	4.34	2.35	68.12	"	"

A—No information given.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Jones Mix Starter & Grower	Westover
Jones Mix Starter & Grower	Westover
Wilkins Rogers Milling Co., Washington, D. C.	
Big 5 Dairy Feed	Baltimore
Big 5 Dairy Feed	Upper Marlboro
Washington Egg Mash	Upper Marlboro
Red Raven 85% Horse Feed	Baltimore
Grassy Mead 21% Hog Feed	Upper Marlboro
Washington Pure Wheat Bran	Baltimore
Washington Pure Wheat Middlings	Baltimore
Washington Turkey Developer Mash	Baltimore
Washington Turkey Developer Mash	Upper Marlboro
Williams Feed Co., Milford, Del.	
Henlopen Laying Mash	
Williams No. 3 Laying Mash, with BM. & Minerals	
Williams No. 2 Chick Grower, with BM. & Minerals	
Wylie Dry Products Co., Columbus, Ohio	
Pure Dried Skimmilk	Elkton

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredient
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.89	20.00	19.57	4.00	4.93	8.00	8.07	10.00	48.54	As declared on label
10.11	17.00	17.02	5.00	4.99	6.00	5.51	7.00	53.37	A.
8.46	17.00	17.20	5.00	5.05	6.00	5.26	9.25	54.78	A.
8.84	20.00	21.24	5.00	4.68	12.00	9.69	6.75	48.80	B.
9.92	20.00	21.15	5.00	5.45	12.00	9.31	5.42	48.75	As declared on label
8.71	22.00	22.20	5.00	4.75	8.00	5.89	12.92	45.53	" "
8.84	8.00	10.31	3.00	3.57	10.00	8.31	3.51	65.46	" "
8.26	21.00	21.32	5.00	4.75	9.00	8.83	8.10	48.74	" "
8.85	14.00	13.43	4.00	4.24	9.00	7.53	6.40	59.55	" " C.
9.44	15.50	15.36	4.00	3.97	7.00	5.20	4.20	61.83	" " D.
10.55	20.00	20.71	4.50	4.39	8.00	7.59	9.30	47.46	E.
8.95	20.00	20.45	4.50	4.42	8.00	6.26	9.50	50.42	E.
8.97	17.00	19.48	4.00	4.43	9.00	8.49	9.10	49.53	As declared on label
8.79	20.00	20.18	5.00	4.65	7.00	6.85	11.80	47.73	F.
9.04	16.00	16.50	4.00	3.77	6.00	7.08	7.75	55.86	F.
.....	32.00	32.29	.50	X.51	.....	.....	8.50	.....	As declared on label

A—No information on label.
B—Also detected Soybean Oil Meal.
C—Fibre guarantee on label differs from license.
D—Protein guarantee on label differs from license.
E—Ingredients on label differ from license.
F—Also detected Soybean Oil Meal-unable to detect Linseed Oil Meal.
X—Fat as determined by the Roese-Gottlieb Method.

DOG

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill.	
Wayne Dog Food Blox	Salisbury
American Stores Co., Philadelphia, Pa.	
‡Playboy Dog Food	Baltimore
Anderson Grain & Feed Co., York, Pa.	
‡Anderson Dog Food	Unionville
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Dog Biscuit	Baltimore
Bowman Brothers, Gaithersburg, Md.	
Gilt Edge Dog Feed	Gaithersburg
The Carpel Co., Inc., Washington, D. C.	
‡Oxram Brand Dog & Cat Food	Cottage City
The G. E. Conkey Co., Cleveland, Ohio	
‡Conkeys Y-O-(Brand) Dog Ration	Middleburg
Daily Packing Co., Chicago, Ill.	
*Daily Dog Food	Silver Spring
The Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood
East Coast Products Co., Baltimore, Md.	
††Play Safe Brand Dog & Cat Food	Sellman
John W. Eshelman & Sons, Lancaster, Pa.	
‡Red Rose Dog & Puppy Food, with Milk	Oakland
*Eshelman Red Rose Dog & Puppy Food	Annapolis
The Foster Canning Co., Inc., Glendale, L. I., N. Y.	
‡Red Chief Dog Food	Berlin
‡"Zoup"	Baltimore
Gaines Food Co., Sherburne, N. Y.	
Gaines Meat & Milk Meal Cooked	Centreville
Maryland Grocery Co., Baltimore, Md.	
*Snooky	Baltimore
†Snooky	Baltimore
Geo. C. Melody, Greensburg, Pa.	
‡Melo-Meal Dog Food	Bethesda
‡Dr. Melody Dog Food	Oakland

* Deficient in protein or fat.
† Deficient in both protein and fat.
‡ Sampled before registration.

FEED

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.37	25.00	27.55	4.00	4.04	5.00	3.80	12.05	45.19	
65.84	10.00	13.17	2.00	4.35	1.00	1.45	2.17	13.02	
7.96	26.00	27.20	3.50	4.53	5.00	3.47	9.50	47.34	
7.37	20.00	24.57	3.00	3.04	3.50	3.06	9.15	52.81	A.
8.45	25.00	26.59	5.00	4.78	9.00	5.42	12.96	41.80	
67.10	10.50	12.78	3.00	6.13	1.00	.94	3.00	10.05	
9.82	25.00	30.27	4.00	5.03	5.00	3.37	7.90	43.61	
71.26	12.00	13.18	3.00	2.33	1.50	2.01	3.72	7.50	
8.16	25.00	27.12	4.00	5.38	4.00	3.26	13.30	42.78	
79.44	7.00	5.28	1.50	.26	2.00	.96	6.55	7.51	
72.11	10.00	10.18	3.00	3.09	1.25	1.87	2.82	9.93	
8.24	23.00	24.10	4.75	4.06	3.50	2.43	12.70	48.47	
77.67	7.00	7.62	1.25	.99	1.50	.85	1.28	11.59	
85.77	3.75	5.32	.50	.45	.50	.54	.61	7.31	
6.44	23.00	27.64	3.00	5.37	4.00	3.68	13.50	43.37	
73.86	7.50	7.72	1.25	.59	1.50	1.07	1.76	15.00	
79.51	7.50	4.93	1.25	.34	1.50	1.32	1.12	12.78	B.
7.19	32.50	37.29	3.50	4.18	6.50	3.09	22.13	26.12	
72.00	7.29	9.62	1.30	1.44	.89	1.33	1.81	13.80	

A—Protein guarantee on label differ from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Montana Horse Products Co., Butte, Mont.	
‡Blue Ribbon Vitamont Dog Food	Beltsville
Old Trusty Dog Food Co., Needham Heights, Mass.	
All Terrier Food	Baltimore
Packer Products Co., Philadelphia, Pa.	
*Dart	Mt. Rainier
Procarmin, Inc., Washington, D. C.	
Procarmin	
Procarmin	Baltimore
Proto, Inc., Philadelphia, Pa.	
Proto Dog Food	Chestertown
Ralston Purina Co., St. Louis, Mo.	
Purina Dog Chow Meal	Hyattsville
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Dog Food Granular Meal	Chestertown
The Thorobread Co., Cincinnati, Ohio	
Thorobread Dog Food	Pocomoke City
Vita-Fresh Dog Food Corp., L. I. City, N. Y.	
*Vita-Best Dog Meal	Cambridge
R. C. Williams & Co., Inc., New York, N. Y.	
‡Save-On Dog Food	Mt. Rainier

MINERAL

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bradley & Baker, Baltimore, Md.	
Bocalphos	Baltimore
Ryde & Co., Chicago, Ill.	
†Ryde's Nutritive Minerals	Hagerstown
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board General Purpose Minerals	Walkersville
Sea Board General Purpose Minerals	Pocomoke City

* Deficient in protein or fat.
‡ Sampled before registration.
† Protein—Guaranteed 4.00%.
Found 5.97%.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
73.26	10.00	13.17	2.00	4.29	1.00	3.08	.63	5.57	
6.99	20.00	23.08	1.41	1.49	.54	1.19	4.50	62.75	
77.90	6.50	5.76	2.00	.80	1.25	.58	1.92	13.04	
72.94	10.00	9.71	4.21	3.75	1.72	1.63	2.13	9.84	
67.76	10.00	10.93	4.21	4.23	1.72	1.31	2.10	13.67	
8.50	25.00	25.68	5.00	6.44	3.00	3.30	14.60	41.48	
8.30	21.00	23.52	4.00	4.96	6.00	4.21	6.76	52.25	
7.74	20.00	23.34	2.50	3.05	5.00	2.58	11.70	51.59	A.
71.04	10.00	11.78	2.00	1.61	1.00	1.51	3.39	10.67	
8.02	26.67	30.01	4.50	3.77	3.36	2.24	15.05	40.91	
77.87	7.00	7.00	1.25	.93	1.50	.83	1.17	12.20	

FEED

Calcium Ca		Phosphorus Pa		Salt		
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
20.00	27.14	8.00	9.30	.....,	.....	
21.45	27.68	2.50	2.97	10.00	11.22	
25.00	32.14	7.00	7.77	8.00	6.27	
25.00	33.35	7.00	5.84	8.00	5.85	

A—Ingredients on label differ from license.

LIME ANALYSES

A detailed report of the results obtained in the inspection and analyses of agricultural liming materials from July 1, 1939 to January 1, 1940, is contained in pages 101 to 108 inclusive. Limes are considered seriously deficient with respect to chemical analyses when they are one per cent or more deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
S. W. Barrick & Sons, Inc., Woodsboro, Md.										
Barrick's Agric. Lump Lime	Woodsboro	85.00	**95.30**	2.00	**1.66**	87.00	**96.96**	.....	**1.04**	**.34**
†Barrick's Agric. Ground Burned Lime	Woodsboro	75.00	**76.70**	2.00	**5.46**	77.00	**82.16**	3.00	**6.41**	**5.58**
†Barrick's Agric. Ground Burned Lime	Sudlersville	75.00	**79.80**	2.00	**7.06**	77.00	**86.86**	3.00	**2.41**	**4.40**
The Cavetown Planing Mill Co., Cavetown, Md.										
Lump Lime	Cavetown	80.00	**71.50**	2.00	**23.68**	82.00	**95.18**	.....	**.95**	**1.07**
Lump Lime	Cavetown	80.00	**83.90**	2.00	**12.38**	82.00	**96.28**	.....	**1.13**	**.47**
†Ground Lime	Cavetown	80.00	**76.80**	2.00	**12.69**	82.00	**89.49**	.....	**5.48**	**3.25**
†Ground Lime	Cavetown	80.00	**74.15**	2.00	**14.19**	82.00	**88.34**	.....	**3.68**	**3.20**
M. J. Grove Lime Co., Inc., Lime Kiln, Md,										
Famous Frederick County Agric. Lump Lime	Frederick	86.00	**80.50**	4.00	**16.34**	90.00	**96.84**	.....	**2.29**	**.19**
†Famous Frederick County Ground Lime	Frederick	75.00	**75.80**	5.00	**10.30**	80.00	**86.10**	.....	**5.54**	**6.27**
Legore Lime Co., Legore, Md.										
LeGore's Lump Lime	LeGore	80.00	**94.95**	3.00	**1.14**	83.00	**96.09**	3.00	**1.93**	**1.68**
†LeGore's Ground Burnt Lime	LeGore	75.00	**75.15**	5.00	**7.01**	80.00	**82.16**	3.00	**10.70**	**4.72**
Shank & Etzler Lime Co., Frederick, Md.										
Agric. Lump Lime	Frederick	60.00	**68.30**	30.00	**23.52**	90.00	**91.82**	.....	**1.36**	**.29**
†Agric. Ground Burnt Lime	Frederick	55.00	**52.60**	25.00	**30.57**	80.00	**83.17**	.....	**5.00**	**8.64**
Steacy & Wilton Co., Wrightsville, Pa.										
†"Sterling" Brand Ground Burned Lime	Denton	90.00	**90.75**	2.00	**4.78**	92.00	**95.53**	2.00	**1.13**	**.72**
Stoner & Powell, Woodsboro, Md.										
Old Reliable Fountain Rock Lump Lime	Fountain Rock	85.00	**93.40**	2.00	**1.28**	87.00	**94.68**	.....	**.79**	**.87**
†Old Reliable Fountain Rock Ground Lime	Fountain Rock	75.00	**75.60**	5.00	**6.21**	80.00	**81.81**	.....	**7.84**	**6.22**
Warner Co., Philadelphia, Pa.										
†Warner Ground Burned Lime	Chestertown	56.00	**57.10**	37.00	**38.64**	93.00	**95.74**	3.00	**1.36**	**1.25**

† Mechanical analysis of Ground Burnt Lime see pages 106, 107 and 108.

ANALYSES OF AGRICULTURAL HYDRATED LIME

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
S. W. Barrick & Sons., Inc., Woodsboro, Md.										
†Barrick's Hydrated Lime	Princess Anne	65.00	62.15	2.00	4.95	67.00	67.10	3.00	.....	5.33
†Barrick's Hydrated Lime	Woodsboro	65.00	63.30	2.00	5.11	67.00	68.41	3.00	.....	3.80
Chester Valley Lime Co., Paoli, Pa.										
†Chester Valley Hydrated Lime	Salisbury	41.50	45.60	31.00	30.91	72.50	76.51	.....	.....	1.72
M. J. Grove Lime Co., Inc., Lime Kiln, Md,										
†Famous Frederick County Hydrated Lime	Bel Air	65.00	64.60	5.00	6.89	70.00	71.49	.....	.....	2.11
†Famous Frederick County Hydrated Lime	Frederick	65.00	64.55	5.00	6.87	70.00	71.42	.....	.....	1.96
LeGore Lime Co., Legore, Md.										
†LeGore's Hydrated Lime	LeGore	65.00	67.00	5.00	5.33	70.00	72.33	3.00	.....	2.10
†LeGore's Hydrated Lime	Baltimore	65.00	64.80	5.00	5.27	70.00	70.07	3.00	.....	3.09
Maryland Tobacco Growers Asso., Baltimore, Md.										
†Md. Association Brand Agric. Hydrated Lime	Baltimore	46.50	47.25	31.00	32.29	77.50	79.54	2.50	.....	.62
H. E. Millard, Annville, Pa.										
†Sweet Arrow Hydrated Lime	Salisbury	70.00	70.30	1.00	1.30	71.00	71.60	1.50	.....	1.42
National Gypsum Co., Buffalo, N. Y.										
†Gold Bond Hydrated Lime	Denton	71.00	71.70	1.00	1.37	72.00	73.07	.....	.....	.37
North American Cement Corp., New York, N. Y.										
†Berkeley Agric. Hydrate	Georgetown	70.00	71.20	2.00	1.94	72.00	73.14	.....	.....	.26
†Berkeley Agric. Hydrate	Ellicott City	70.00	71.00	2.00	2.06	72.00	73.06	.....	.....	.17

Powhatan Lime Co., Strasburg Junction, Va.										
†Powhatan Farmers Friend Agric. Hydrated Lime	Frostburg	65.00	72.25	1.50	1.43	66.50	73.68			.31
Shank & Etzler Lime Co., Frederick, Md.										
†Agric. Hydrated Lime	Frederick	45.00	44.90	20.00	25.04	65.00	69.94			5.12
The Standard Lime & Stone Co., Baltimore, Md.										
†Standard Agric. Hydrated Lime	Wash. Grove	71.00	71.90	1.00	1.23	72.00	73.13	2.50		.84
†Standard Agric. Hydrated Lime	Silver Spring	71.00	70.30	1.00	1.88	72.00	72.18	2.50		.87
†Standard Agric. Hydrated Lime	Dickerson	71.00	71.25	1.00	1.95	72.00	73.20	2.50		.80
Steacy & Wilton Co., Wrightsville, Pa.										
†"Sterling" Brand Hydrated Lime	Taneytown	69.00	71.95	3.00	2.91	72.00	74.86	1.00		.52
†"Sterling" Brand Hydrated Lime	Denton	69.00	71.30	3.00	2.53	72.00	73.83	1.00		.38
Stoner & Powell, Woodsboro, Md.										
†Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	60.00	63.15	2.00	4.59	62.00	67.74			3.63
Thomasville Stone & Lime Co., Thomasville, Pa.										
†Thomasville Hydrated Lime	Westminster	70.00	70.80	2.00	2.33	72.00	73.13	2.75		.32
Warner Co., Philadelphia, Pa.										
†Warner "Limoid" (Hydrated Lime)	Ridgely	46.50	46.15	31.00	32.53	77.50	78.68	3.00		.59

† Mechanical analysis of Hydrated Lime see pages 106, 107 and 108.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Herbert Bryant Inc., Alexandria, Va.								
†Pulverized Oyster Shells	Wash. Grove	45.00	48.55	.50	.64	45.50	49.19	8.72
Harry T. Campbell & Sons' Co., Towson, Md.								
†Campbell's H. T. C. Special	Texas	54.00	54.70	1.00	.37	55.00	55.07	1.32
M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
†Pulverized Limestone	Frederick	53.00	54.85	1.00	.91	54.00	55.76	.70
LeGore Lime Co., LeGore, Md.								
†LeGore's Agric. Limestone	LeGore	50.00	52.00	5.00	3.32	55.00	55.32	9.49
H. E. Millard, Annville, Pa.								
†Airfloated Pulverized Limestone	Chestertown	53.50	53.05	.50	1.15	54.00	54.20	2.53
National Gypsum Co., Buffalo, N. Y.								
†Challenge Pulverized Limestone	Cambridge	51.00	52.75	3.00	2.58	54.00	55.33	.61
The Standard Lime & Stone Co., Baltimore, Md.								
†Standard Pulverized Limestone	Dickerson	53.20	54.75	.50	.99	53.70	55.74	.70
Steacy & Wilton Co., Wrightsville, Pa.								
†Pulverized Limestone	Westminster	52.00	51.10	2.00	4.74	54.00	55.84	.76
†Pulverized Limestone	Denton	52.00	51.00	2.00	4.24	54.00	55.24	1.22
Warner Co., Philadelphia, Pa.								
†Warner Pulverized Limestone	Easton	30.00	30.80	20.00	21.89	50.00	52.69	1.55
West Virginia Lime Co., Roanoke, Va.								
†"West Virginia Precipitated"	Medford	50.00	51.60	.50	.49	50.50	52.09	4.77
†"West Virginia Precipitated"	Elkton	50.00	51.10	.50	.76	50.50	51.86	3.98

† Mechanical analysis of Ground Limestone and Oyster Shells see pages 106, 107 and 108.

† West Virginia Precipitated	Medford	50.00	51.36	.50	.42	50.50	51.78	3.98
†"West Virginia Precipitated"	Elkton	50.00	51.10	.50	.76	50.50	51.86	3.98

† Mechanical analysis of Ground Limestone and Oyster Shells see pages 106, 107 and 108.

ANALYSES OF GYPSUM OR LAND PLASTER

Manufacturer and Brand	Place Sampled	Calcium Sulphate		Sand & Insol.
		Guaranteed	FOUND	FOUND
The American Agricultural Chemical Co., Baltimore, Md.				
*AA Fine Ground Nova Scotia Land Plaster	Baltimore	77.70	**75.41**	**1.97**

* Product deficient in Calcium Sulphate.

MISCELLANEOUS LIMING PRODUCTS

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
North American Cement Corporation, New York, N.Y.										
Security Refuse Liming Material	Security	36.00	**44.30**	2.25	**2.33**	38.25	**46.63**	.....	**6.13**	**20.74**

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
S. W. Barrick & Sons, Inc., Woodsboro, Md.							
Barrick's Agric. Ground Burned Lime	Woodsboro	95.	86.	70.	69.	60.	61.
Barrick's Agric. Ground Burned Lime	Sudlersville	95.	64.	70.	46.	60.	40.
Barrick's Hydrated Lime	Princess Anne	100.	96.	90.	89.	86.	85.
Barrick's Hydrated Lime	Woodsboro	100.	99.	90.	93.	86.	90.
Herbert Bryant Inc., Alexandria, Va.							
Pulverized Oyster Shells	Wash. Grove	90.	82.	68.	32.	34.	19.
Harry T. Campbell Sons' Co., Towson, Md.							
Campbell's H. T. C. Special	Texas	100.	100.	95.	99.	75.	86.
The Cavetown Planing Mill Co., Cavetown, Md.							
Ground Lime	Cavetown	56.	67.	42.	58.	39.	53.
Ground Lime	Cavetown	56.	62.	42.	46.	39.	40.
Chester Valley Lime Co., Paoli, Pa.							
Chester Valley Hydrated Lime	Salisbury	100.	99.	100.	97.	98.	94.
M. J. Grove Lime Co., Lime Kiln, Md.							
Famous Frederick County Ground Lime	Frederick	50.	71.	35.	43.	25.	34.
Famous Frederick County Hydrated Lime	Bel Air	100.	100.	99.	99.	90.	96.
Famous Frederick County Hydrated Lime	Frederick	100.	100.	99.	99.	90.	95.
Pulverized Limestone	Frederick	100.	100.	98.	91.	94.	77.
LeGore Lime Co., LeGore, Md.							

LeGore Lime Co., LeGore, Md.							
LeGore's Ground Burnt Lime	LeGore	60.	**68.**	45.	**47.**	45.	**41.**
LeGore's Hydrated Lime	LeGore	100.	**100.**	98.	**99.**	97.	**97.**
LeGore's Hydrated Lime	Baltimore	100.	**100.**	98.	**98.**	97.	**96.**
LeGore's Agric. Limestone	LeGore	100.	**100.**	100.	**98.**	97.	**86.**
Maryland Tobacco Growers Association, Baltimore, Md.							
Maryland Assoc. Brand Agric. Hydrated Lime	Baltimore	99.90	**100.**	98.	**100.**	95.	**99.**
H. E. Millard, Annville, Pa.							
Sweet Arrow Hydrated Lime	Salisbury	100.	**100.**	99.25	**100.**	99.	**99.**
Airfloated Pulverized Limestone	Chestertown	100.	**100.**	100.	**100.**	99.	**98.**
National Gypsum Co., Buffalo, N. Y.							
Gold Bond Hydrated Lime	Denton	100.	**100.**	98.	**100.**	97.	**98.**
Challenge Pulverized Limestone	Cambridge	100.	**100.**	100.	**100.**	99.	**100.**
North American Cement Corp., New York, N. Y.							
Berkeley Agric. Hydrate	Ellicott City	100.	**100.**	99.	**100.**	98.90	**100.**
Berkeley Agric. Hydrate	Georgetown	100.	**100.**	99.	**100.**	98.90	**100.**
Powhatan Lime Co., Strasburg Junction, Va.							
Powhatan Farmers Friend Agric. Hydrated Lime	Frostburg	100.	**100.**	99.	**100.**	100.	**99.**
Shank & Etzler Lime Co., Frederick, Md.							
Agric. Ground Burnt Lime	Frederick	40.	**68.**	30.	**44.**	20.	**35.**
Agric. Hydrated Lime	Frederick	80.	**96.**	60.	**82.**	55.	**74.**
The Standard Lime & Stone Co., Baltimore, Md.							
Standard Agric. Hydrated Lime	Wash. Grove	100.	**100.**	99.50	**100.**	95.	**100.**
Standard Agric. Hydrated Lime	Silver Spring	100.	**100.**	99.50	**100.**	95.	**100.**
Standard Agric. Hydrated Lime	Dickerson	100.	**100.**	99.50	**100.**	95.	**100.**
Standard Pulverized Limestone	Dickerson	100.	**100.**	99.90	**100.**	99.75	**99.**
Steacy & Wilton Co., Wrightsville, Pa.							
"Sterling" Brand Ground Burned Lime	Denton	71.	**66.**	46.	**45.**	39.	**38.**
"Sterling" Brand Hydrated Lime	Taneytown	100.	**100.**	99.25	**99.**	99.	**97.**
"Sterling" Brand Hydrated Lime	Denton	100.	**100.**	99.25	**99.**	99.	**98.**
Pulverized Limestone	Westminster	100.	**100.**	100.	**100.**	99.	**100.**
Pulverized Limestone	Denton	100.	**100.**	100.	**100.**	99.	**100.**

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME—(Continued)

Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Stoner & Powell, Woodsboro, Md.							
Old Reliable Fountain Rock Ground Lime	Fountain Rock	80.	**87.**	60.	**58.**	40.	**49.**
Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	97.	**97.**	89.	**88.**	82.	**84.**
Thomasville Stone & Lime Co., Thomasville, Pa.							
Thomasville Hydrated Lime	Westminster	100.	**100.**	98.	**100.**	97.	**100.**
Warner Co., Philadelphia, Pa.							
Warner Ground Burned Lime	Chestertown	65.	**78.**	48.	**50.**	40.	**41.**
Warner "Limoid" (Hydrated Lime)	Ridgely	100.	**100.**	97.	**100.**	95.	**100.**
Warner Pulverized Limestone	Easton	100.	**100.**	100.	**100.**	99.50	**100.**
West Virginia Lime Co., Roanoke, Va.							
"West Virginia Precipitated"	Medford	90.	**92.**	70.	**74.**	60.	**65.**
"West Virginia Precipitated"	Elkton	90.	**94.**	70.	**74.**	60.	**65.**